

THE
ARCHITECT
& BUILDING NEWS

30 MARCH 1960

VOL. 217

NO. 13

ONE SHILLING WEEKLY

- TAUNTON COUNTY OFFICES COMPETITION
- L.C.C. SCHOOL EQUIPMENT CENTRE
- CURRENT MARKET PRICES

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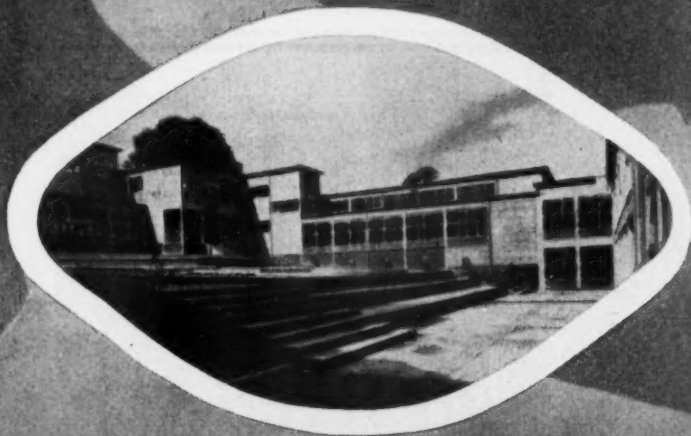
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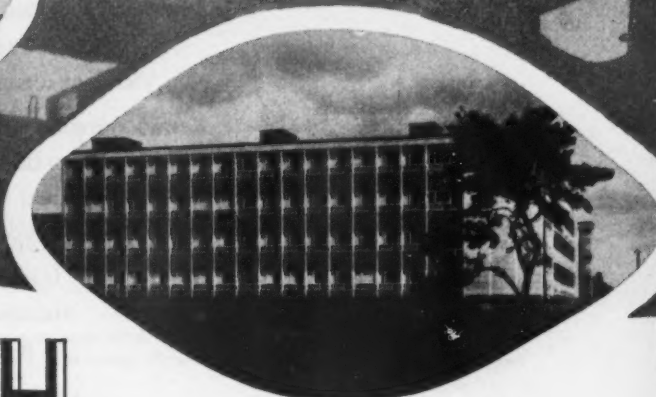
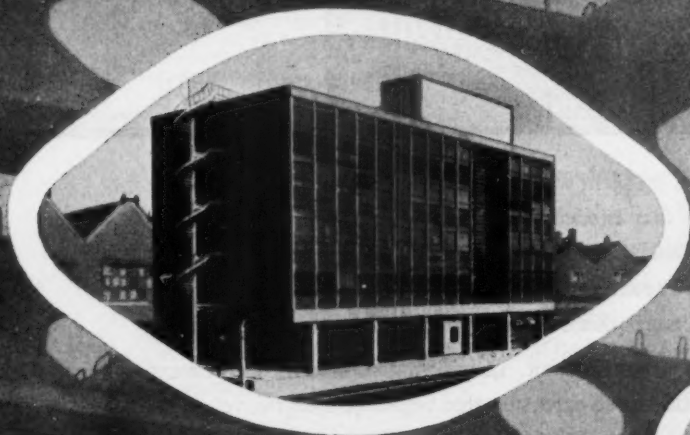
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**Extension now —
re-extension later**

Kenwood's new extension is to be continued to the left when more land becomes available. The Wallspace cladding on the far end will be taken down and re-used as the new end wall.

Office extension for
Kenwood Manufacturing Co. Ltd.,
Woking, Surrey.

Architects: Malcolm Peck,
Roberts & Associates.

Kenwood's problem was a familiar one — they were expanding rapidly — they needed extra space and they needed it quickly. Unfortunately, only half the plot adjoining their factory was available for them to expand into — the other half being occupied by two Victorian cottages that still had several years to run on the lease.

Kenwood couldn't afford to wait. They commissioned their architects to design an extension that would be integral, yet could be built in two halves — one straight away, the other later.

The architects saw a clear case for Wallspace curtain walling.

It offered them so many advantages — speedy erection, maximum glass area, splendid weathering. But above all it gave them the flexibility they needed to re-extend when the rest of the plot became available.



Work will go ahead as soon as the lease of the old cottages next door has expired.

Showing all that can at present be seen of the Wallspan wall which is to be moved.

Williams & Williams purpose made aluminium windows are set above glazed asbestos spandrel panels. The whole exterior will be washed down to a new condition, making the Wallspan additions indistinguishable from the existing building.



All the Wallspan on the end wall will be taken down, the building will be extended over the site of the two cottages, and the same Wallspan will be re-erected as the new end wall. The final result will be a unified piece of architecture — free of the patched-up look that would have been inevitable with traditional materials.

This is the way Wallspan is making buildings look better and work better — everywhere.

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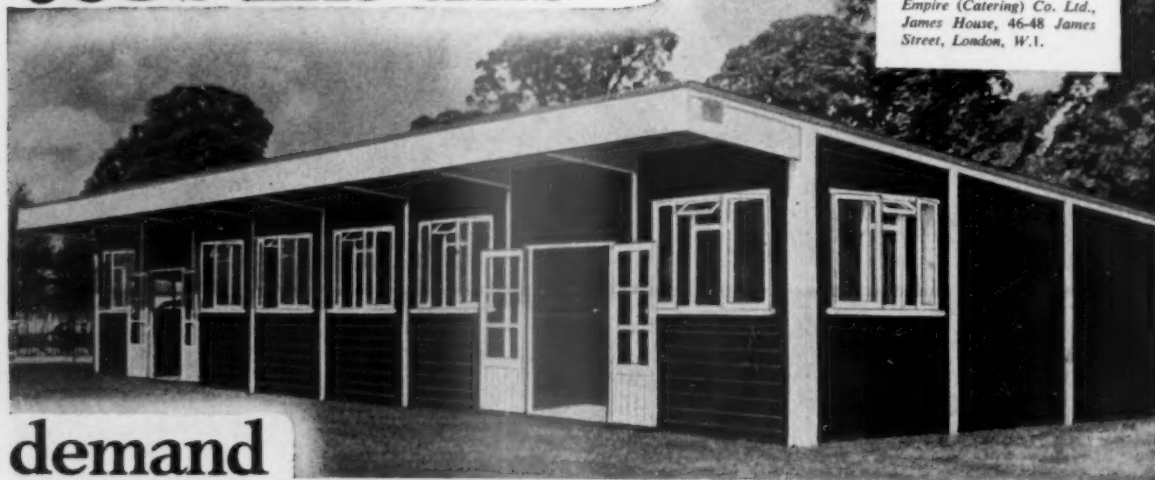
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CASE RECORDS FROM THORNS' FILES . . . 3

Jobs like this



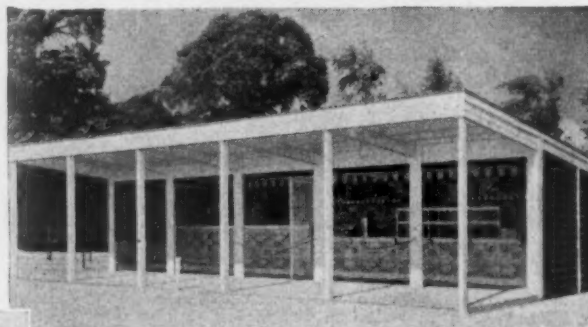
● Members' Pavilion, 64' x 25' x 11' 6", plus 5' canopy. Photographs by courtesy of Empire (Catering) Co. Ltd., James House, 46-48 James Street, London, W.1.

demand

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SPECIFICATION

3 Timber buildings, of mono pitch design, with canopies along fronts. Weatherboarded walls; boarded roofs, covered with green mineralized roofing felt. Full-length partition and counter in each building. Walls and roofs lined with fibreboard. Roller shutter doors for two buildings. Delivered and erected on prepared bases and decorated in selected colours.



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PAVILIONS AT

GOODWOOD MOTOR RACING TRACK

Having received an outline of what was required, Thorns designed three special buildings, as illustrated here. These were approved, and the order was placed on March 3rd. The essential thing was to get at least two of them in use for the Easter meeting on April 7th. This left little time for producing two completely non-standard buildings, erecting and decorating them, but Thorns rose to the occasion and they were both in use at the Easter meeting. The third one was completed in time for Whitsun.

Generally speaking, it is quicker and more economical to use one of Thorn's standard systems of construction, but Thorns are equally capable of designing and producing buildings to a customer's special requirement.

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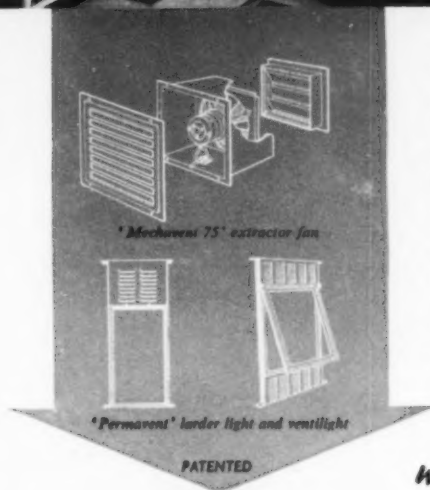


(above) 'The Cricketers,' Woodford—Architect: C. P. Sapin, (Chief Architect) McMullen & Son, Ltd
(left) photograph by courtesy of Turner and Kitching A/A.R.I.B.A., Gravesend

for Houses & Flats

Designed for efficient ventilation of the modern home, Greenwood-Airvac housing ventilators are available in a wide variety of types and sizes to suit any requirement.

Shown above—the powered 'Mechavent 75' extractor fan with kitchen canopy and the natural 'Permavent' larder-light—are from the extensive range of window ventilators, larder lights, skylights and wall ventilators illustrated in the new folder—'Ventilation for Houses and Flats'—which we shall be happy to send you on request.



write for this new folder-to day!

Greenwood-Airvac ventilation

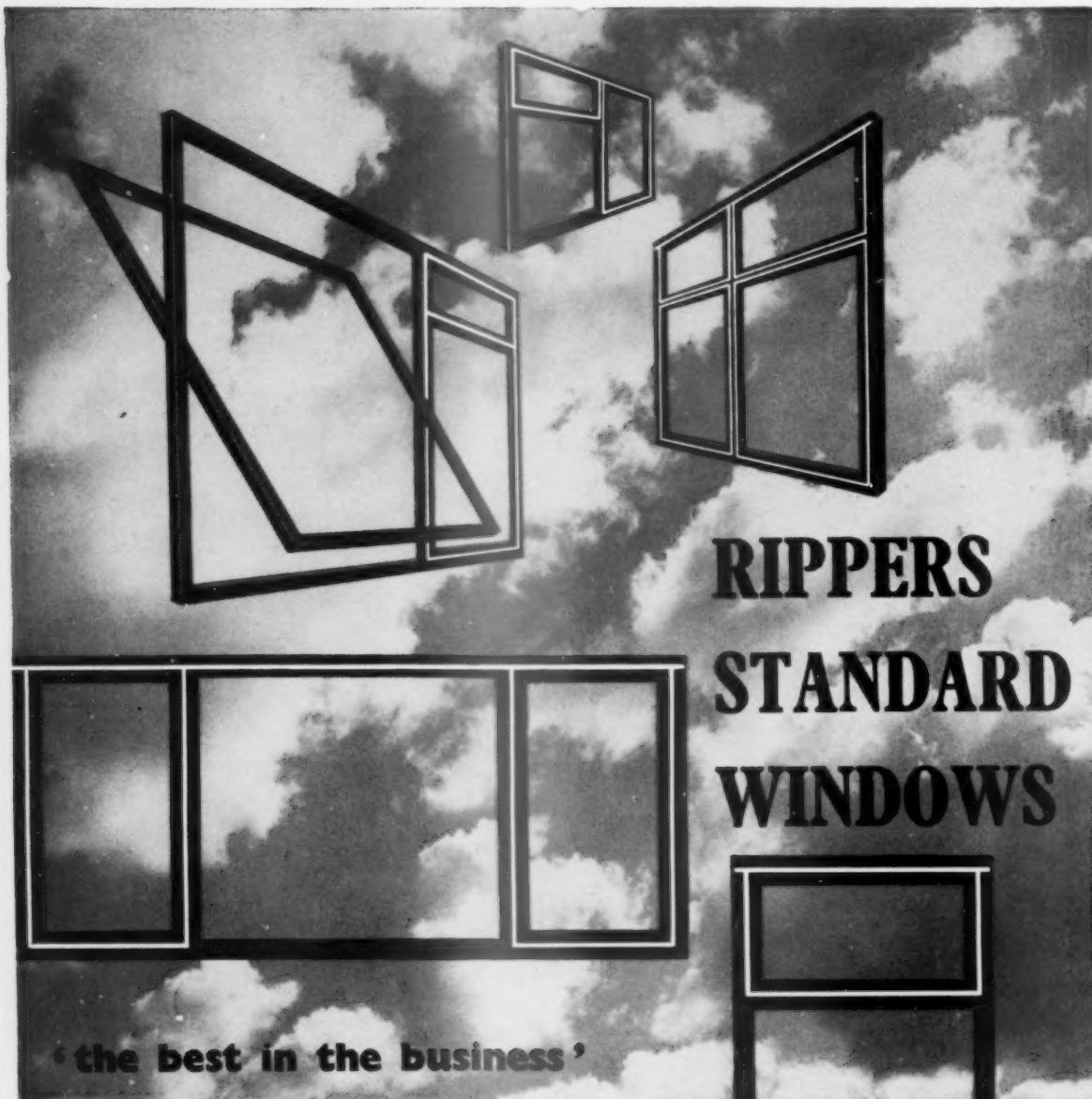
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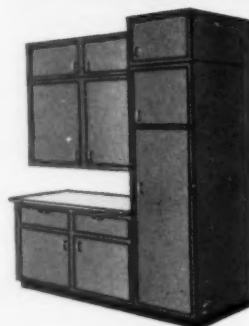
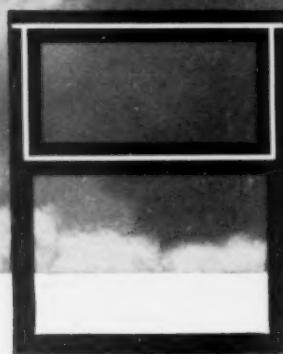
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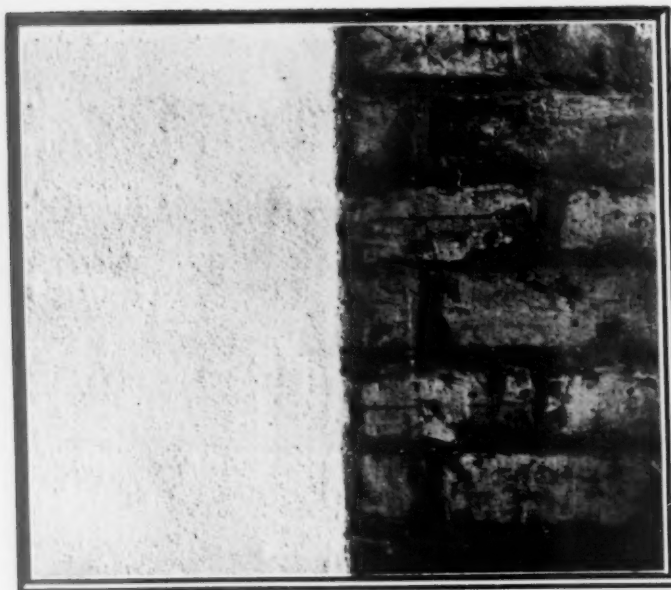
* Building Research Report available on application.

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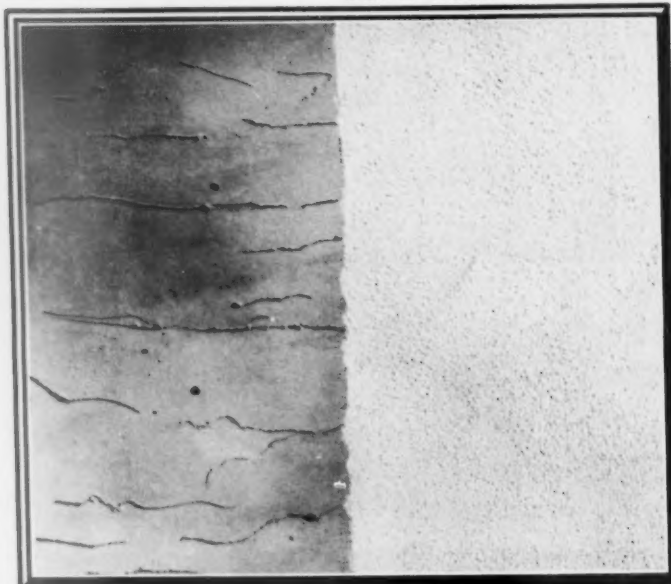
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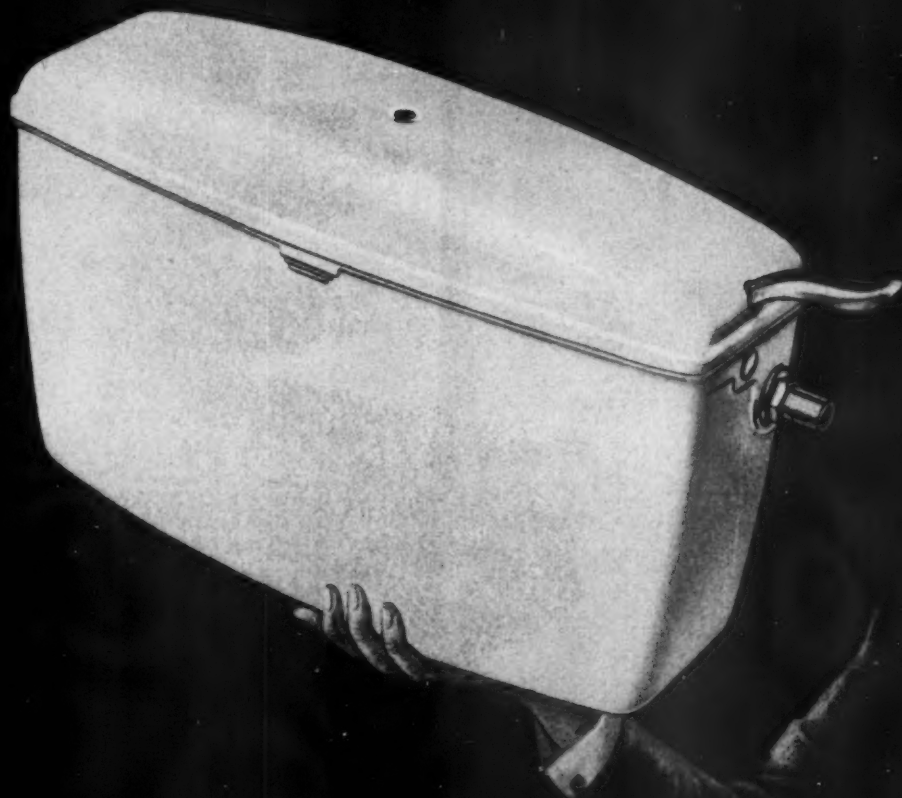


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Below: 2 coats of Silexine on cracked rendering

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Architect:
G. T. Goalen Esq.,
B. Arch., A.R.I.B.A., A.M.T.P.I.



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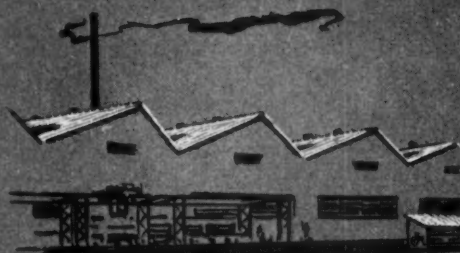
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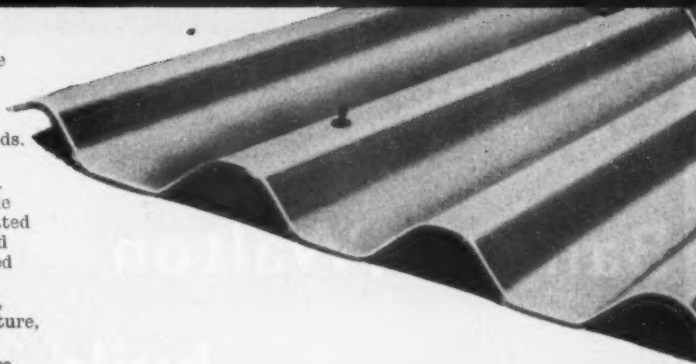
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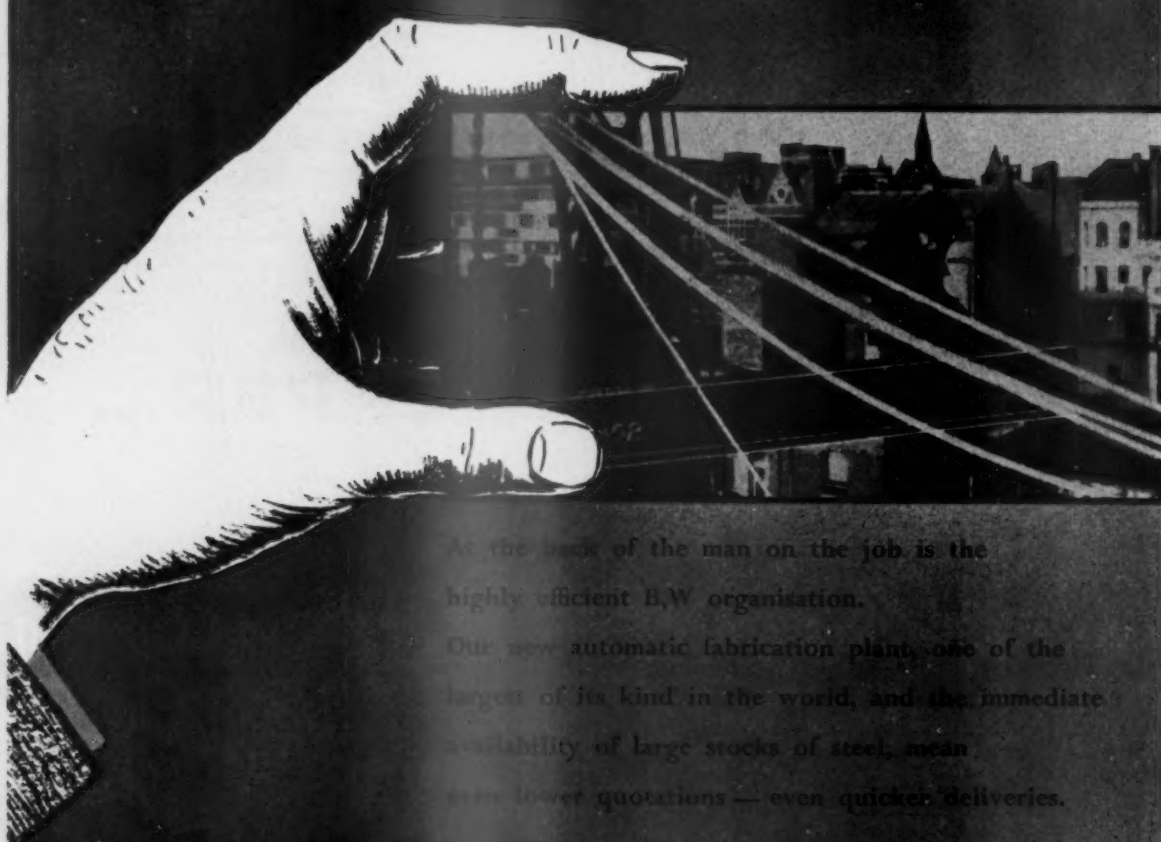
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FULL INFORMATION,
SEE BARBOUR INDEX

Top: Rolador Shutters installed for
Messrs. Maple & Co. Ltd.,
Tottenham Court Road, London.

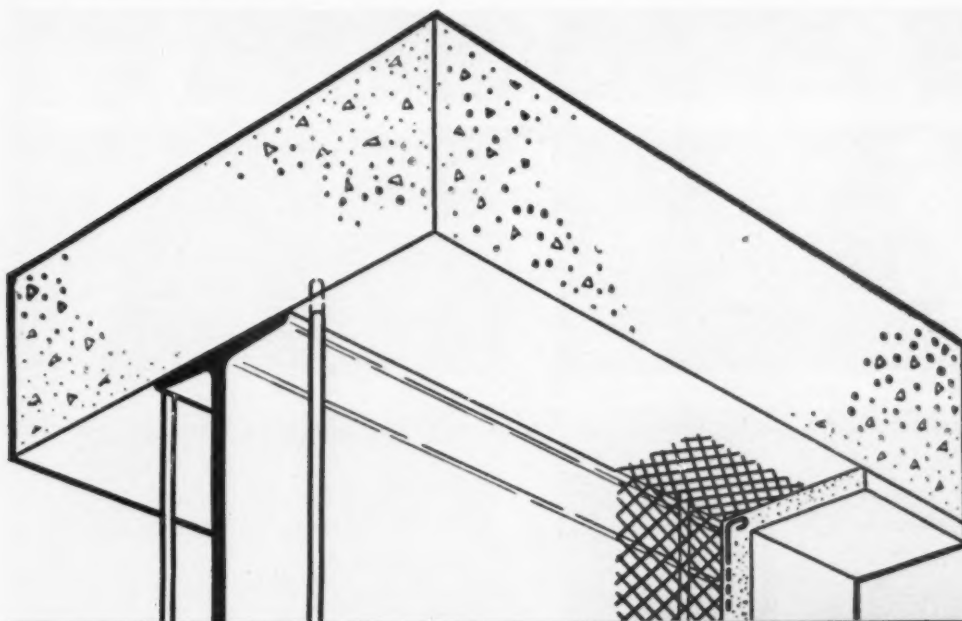
Architects:
Dalglish & Pullen, F.F.R.I.B.A.

Left: Shutter Doors installed for South
Devon Water Board, South Brent.

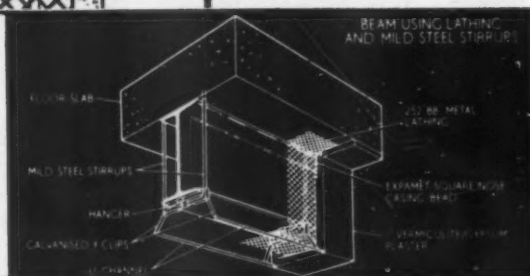
Architects:
Seagrim & Read, LL.R.I.B.A.

Haskins

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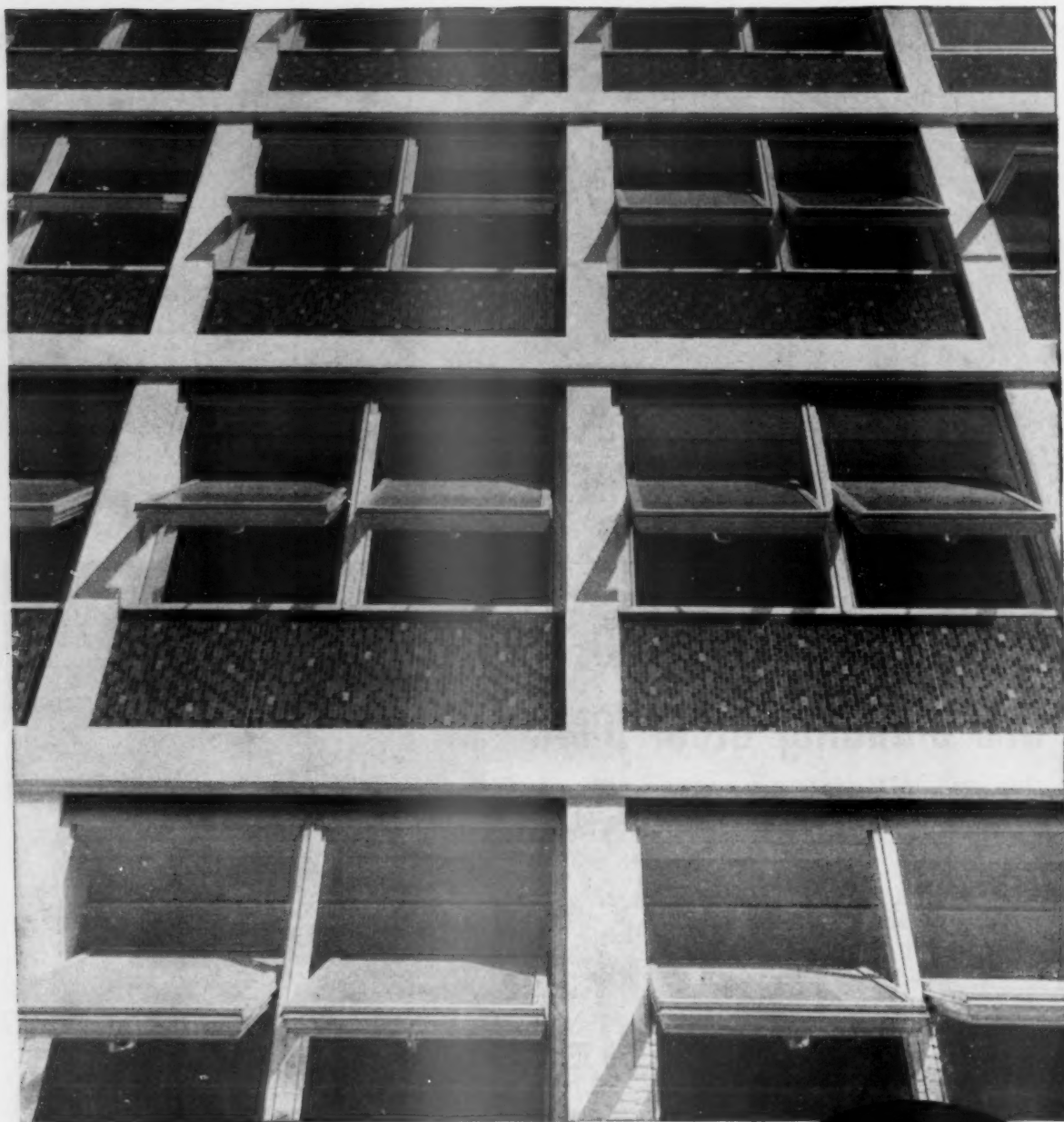
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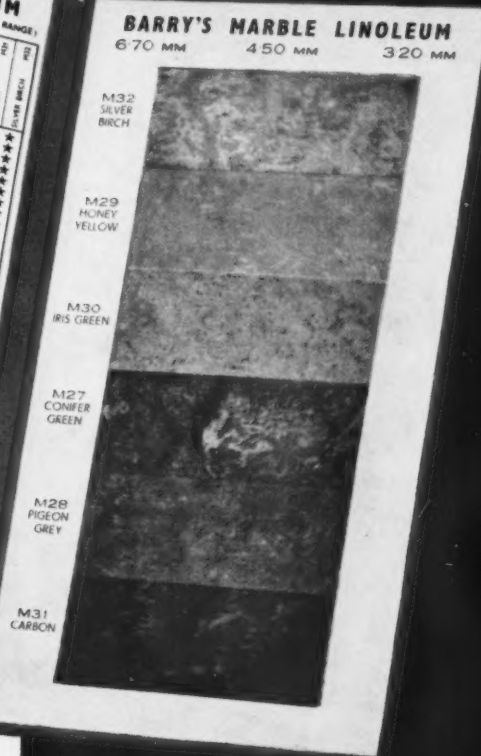
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Load Bearing: Inner Leaf.

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Load Bearing: Eaves Level.

This internal view shows the 6" Thermalite solid wall carrying lintel, roof plate and roofing members.

Load Bearing: Front Face.

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NATIONAL HOMES WEEK

THE one-day conference* which heralded National Homes Week† may not have produced many startling ideas, but it served to focus attention on some of the problems of private house building which are beginning to become more insistent. There is undoubtedly need for a good deal of hard thinking on the part of all concerned, including the spec' builders, the building societies, the planning authorities and, if they happen to be consulted, the architects.

The demand for owner-occupied houses shows no signs of abating. But it is being affected by the growing famine in residential land and by a change in living habits: the artificial shortage imposed by green belt zoning is tending both to increase the price and to reduce the size of building plots, while the traditional public insistence on a private garden for every house is beginning to weaken. Consciously or subconsciously many young fathers begrudge the time needed to keep a garden in order and would welcome some arrangement which would reduce the burden.

This should lead to a more intensive study of the possibilities of grouping houses closely together, either as short terraces round greens, as village-like clusters round short culs-de-sac (like the new L.C.C. type of back-alley) or as low blocks of flats. There is also likely to be more communal gardening and grass-mowing on the lines of the Span estates or some of those in new towns.

We hope that these tendencies will reduce the dominance of the semi-detached house and that house-builders will be induced to seek the advice of first-rate architects more and more. The enlightened firms who have done so have shown what a remarkable success the results of such a partnership can be.

* * *

Increased compactness of development will help, but not solve, the current shortage of residential land. New settlements are needed urgently, and it is necessary for planning authorities in the current reviews of their development plans to consider where is the best place to site them. It is quite useless to continue the present policy of hanging on to the green belts until they burst. Planning was intended to satisfy human needs, not to frustrate them. The Ministry should make it clear to planning authorities that, without sacrificing the principle of green belts, they should look for suitable outlets for urban expansion.

These might well include the expansion and tightening up of the structure of the existing new towns, the rebuilding of worn-out suburbs, imaginative experiments on the lines of Boston Manor, and the infilling of those empty pockets in urban development mistakenly preserved as useful extensions of the green belt.

* "Homes of the Future", sponsored by the Federation of Registered House-Builders.
† March 25 to April 2.

EVENTS AND COMMENTS

DANIEL AMONG THE LIONS

Mr. Peter Trench was not quite his usual incisive self when he read his paper—reported last week—at the R.I.B.A. His diffidence may have been caused by being in the lions' den. He need not have worried, for such lions, as were present, were tame, old circus lions who rather enjoyed being put through Mr. Trench's hoops and being prodded with his not too sharp goad. If the paper was given somewhat diffidently we saw the real Mr. Trench in his replies to the various comments made from the floor. Here he was in splendid form.

It was, I thought, a very good paper but it contained little comfort for the profession. The packaged deal was made to look wonderfully attractive to the client—and to the builder. Architects were told that it was now virtually not possible for them to be efficient, so complicated and widespread were their duties. It was suggested that architectural education was lagging behind that of builders and that only lip service was being done by architects to the idea of joint training in the industry. These accusations, or rather suggestions, are, at least in part, true, but all the same I was surprised that no one got rough with Mr. Trench. It was a very gentlemanly evening. One speaker pointed out that the R.I.B.A. contract was drafted on the assumption that all builders were rogues. There is little doubt, although Mr. Trench did not say so, that some builders think that all architects are idiots. This is not a very good base from which to start building operations.

In closing the debate the president, Mr. Basil Spence, pointed out the one weakness in Mr. Trench's paper. He had not mentioned the client, except in passing. Mr. Spence said that it was important to remember the work done by architects in what he called "unravelling the ball of wool" of the client's requirements, particularly if the client happened to be a group of university professors. Not all the inefficiency in the building industry was caused by architects, much came from the client. This, said Mr. Spence, was not an excuse, but a fact.

It was a good evening but like so many of the really worthwhile ones at the R.I.B.A. it deserved a larger audience. Architects seem to be poor hands at attending things which really affect them. They will, however, flock in their hundreds to the call of a foreign name.

MOTORWAYS IN CITIES

Sir Herbert Manzoni, president of the Institution of Civil Engineers, was chairman, last week, at a joint meeting of his institution and the R.I.B.A., held at 66 Portland Place. The two main speakers, Rowland Nicholas, city surveyor and engineer of Manchester, and Frederick Gibberd, introduced their papers and a discussion followed. The meeting was well attended, but there were, I thought, far more engineers present than architects. Nothing very much that was new emerged from the evening. Mr. Nicholas spoke of technical traffic problems and described what is being done in Manchester in collaboration with the city architect. Mr. Gibberd was not prepared to consider the motor-car except as a part of a general plan, and had coined

a number of what he called cracker mottoes to sum up the various parts of his paper. The main value of the evening seemed to me to be to have architects and engineers talking about a subject in which both have a most important part to play. I note with interest that a new band wagon is about to go on the roads. The traffic engineer, well known, I believe, in America and on the Continent, is about to burst on us here. Architects and engineers (civil) had better look out or they will find themselves out-dated and out-moded. No doubt a new mystique, with its own vocabulary, is on the way. If you want to know more, a new monthly publication, *Traffic Engineering and Control*, is soon to appear. Sir William Holford is a member of its honorary editorial advisory board.

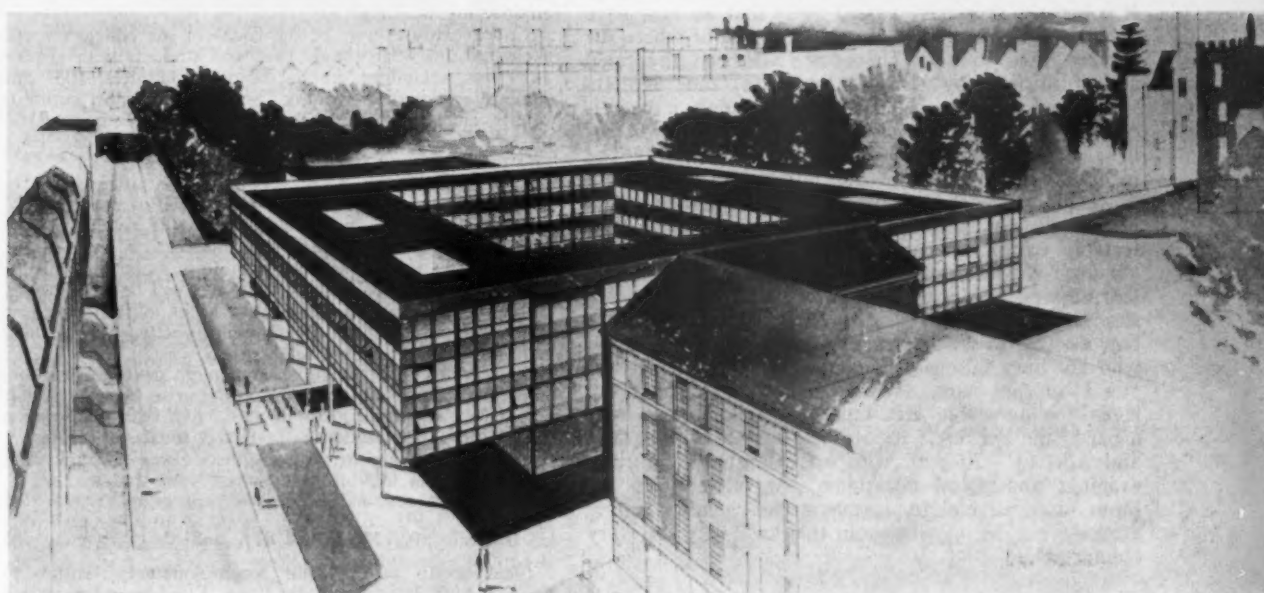
O.K. PROFESSIONS
NO. 1, GENTLEMAN ARCHITECT

I am sure that you will all be delighted—and possibly relieved—to hear that *The Tatler* thinks that it is now O.K. for gentlemen to be architects. It considers that architecture is the most promising thing to put one's son into. "For the far-sighted, searching for an up-and-comer (horse term) *The Tatler* tips . . . the architect". ". . . besides there are so many other O.K. sidelines he can take on—designing furniture, decorating interiors, even photography." I am shocked that the list does not include the writing of gossip columns. *The Tatler* lists nine other O.K. professions, after excluding diplomacy, the Army, and the Church. The other nine are: society photographer, publisher, interior decorator, Lloyd's underwriter, art or antique dealer, advertising executive, TV interviewer, industrial designer, and jazz musician or critic. I suppose all this means that schools of architecture will now have to include riding lessons in their curricula, and guidance on fork-lunch behaviour, too. Pictures of gentlemen architects, Hugh Casson, James Stirling, Paul Boissvain, C. St. J. Wilson, Peter Shepheard, Alan Gore (I told you last week we should hear more of him) and Neville Conder, illustrate this thoughtful and stimulating article. Do not fail to get your copy now. But will not the builders be jealous?

HEAL'S 150

There is always a fair crowd at parties given by Heal & Son, but the press of persons at the firm's one hundred and fiftieth birthday party held last week was something special. Anthony and Christopher Heal, full of smiles, and wearing red carnations, received the guests as they poured from the lifts and staircase. At one time the queue of those waiting to be received curled right round the restaurant, while many people were waiting for vertical transportation in the hall. Not unnaturally, the thickest crowd was in the special exhibition on the top floor, where it was indeed quite impossible to see the furniture. An announcement or two on the loudspeaker system persuaded people to move to the less-crowded parts of the building, with the information that there was a champagne bar on every floor. It is fashionable to say that Heal's is not what it was, and this may or may not be true. The fact remains, however, that as a store, it still has, far and away, the highest design standards in the country, in any trade, and that is no mean achievement.

The special birthday exhibition consists of a series of eight furnished rooms, all commissioned by Heals and constructed in their factory. The designers come from the younger set in Britain, Germany, Italy, Norway, Sweden, Finland and Switzerland. Chris-



COUNTY OFFICES, TAUNTON — THE WINNING DESIGN

Of this design the assessors said: "It interfered very little with the present modelling of the site and set a quadrangular building down on it in such a way as to allow the landscape to flow beneath it. This was achieved by an open ground floor, which freed the site in a brilliant way and promised to provide ground-level spaces that would be delightful to walk about in". Pictures above show (top) the pool and courtyard from the Crescent, and (below) an ariel view showing the Crescent, left, and the Shire Hall, extreme right. The winner was L. Tatum (No. 65), of Goodwin and Tatum. The premiated and commended schemes are shown on pages 404 and 416.

topher Heal himself designed the eighth room. The rooms are all arranged on the top floor and open one from another. As it was impossible to see them at the party, I went back the next day. More about them next week.

COMPLETION OF THE BUILDING

As part of the birthday celebrations, the scheme for the completion of the building in Tottenham Court Road to take in the corner of Torrington Place is

announced. Work will begin this year and the architects are Fitzroy Robinson & Partners. As shown in elevation the new façade preserves the main spacings of the Cecil Brewer design, with considerably more glass. The mansard roof gives way to step-backs and continuous rows of windows. The joint between the new and the old does not seem to have been very well managed, for it is neither made nor marked. From what I have seen I think that there is little doubt that Mr. Brewer's contribution will remain the most distinguished part of the building.

Continued overleaf

NEWS

Spence Designs Approved for University College of Sussex

Designs for the first two buildings of the University College of Sussex, by architects Basil Spence & Partners, have been approved by the college council's governors. The buildings are College House (see picture at the foot of the facing page) and the physics laboratory.

As previously announced, the site of nearly 150 acres in Stanmer Park, near Falmer Station, has been made available to the college on long lease by Brighton Corporation. A further 50 acres of land are to be purchased from the Chichester Estates Company, to make up a total of 200 acres, which are regarded as essential to provide for the college's future expansion.

Basil Spence & Partners were appointed architects for all the buildings, including the first stage of the college's building scheme, i.e., those for which the University Grants Committee made available £1,500,000. These comprise College House, arts building, library, physics building, mathematics building, chemistry building and engineering building.

College House is to be the focus of the college's social activities and will provide staff and students with general amenities, including dining rooms, refectories, staff and students' recreation rooms, Students' Union, common rooms, etc. It is hoped that the College House and the physics building will be in occupation in October, 1962, and the remaining buildings a year later.

The basis of the construction of the college will be solid brick walls and piers, which will carry pre-cast concrete vaults in three sizes from 10ft to 20ft spans. The interior of the building will follow, to a large extent, the pattern of the vaults. Building materials will be left fair-faced inside. The furnishings will be rich; bright, contemporary colours and many kinds of natural-faced timber, imported from the Commonwealth, will be used for floors and in other places.

It is hoped that the full complement of both arts and science students will use the college in October, 1962. Thereafter, it should grow in about five years to between 1,000 and 2,000 students. All the local authorities in Sussex are helping to pay for the college through contributions from their rates.

Contract Signed for Park Lane Hotel

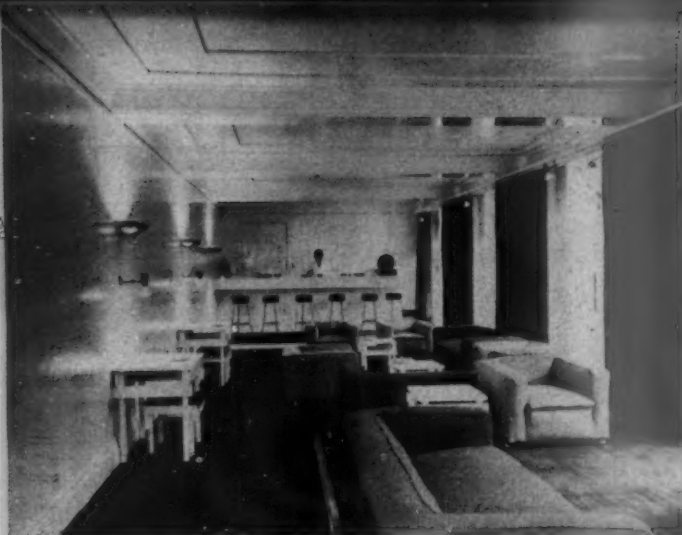
Final details of the joint Anglo-American venture to build a high hotel in Park Lane, London, were settled with the signing of the contract last week. Excavation is already starting on the site, which lies between Hertford Street and Pitt's Head Mews, and has been cleared except for part of the Park Lane frontage. Completion is scheduled for summer, 1962.

The general design of the hotel is for a building more than 300ft in height, consisting of a tower of 24 storeys, Y-shaped in plan, carried on stilts or piles on a two-storey podium. Three basement levels include accommodation for 360 cars and bring the total internal height of the building to 30 storeys.

It is expected that the building will contain more than 500 rooms, with ballroom and banqueting facilities for about 1,400 people. Its four restaurants will include one at roof-top level. All rooms will be fully air-conditioned.

The architects are Lewis Solomon, Kaye & Partners; W. V. Zinn and Associates are the consulting engineers. The estimated cost of the scheme is about £6 million.

The hotel will be built for New City Properties Ltd., for lease to Hilton Hotels International, and will be known as the London Hilton. About 177 other interests



A view of the members' new bar at 66 Portland Place

DRINKS AT THE R.I.B.A.

There was a time, I believe, when to have a bar at the R.I.B.A. would have meant marching over the dead bodies of the majority of the council. Perhaps it is because they have passed away that we now have a bar. You will find it on the second floor where the canteen used to be. The room has been decorated and furnished by Alison Smithson and William Howell on a nylon shoe string. The first impact is one of bright lights and gaiety but I doubt whether it is a room that will endear itself to many. The furniture consists of the old chairs and settees cut down. They must have been provided for their visual effect only, for it is impossible to sit on them comfortably except cross-legged, like the Buddha. The bar itself is white, surely far more suitable for a ladies' hairdressers, or Jermyn Street, than the R.I.B.A. A step is thoughtfully provided about six feet from the bar, whether to slow up the over-eager or to help those who are busy falling over backwards to patronize the bar I am not sure. Whatever one feels about the room the agreeable fact remains that we now have a bar at the R.I.B.A. Its opening hours are 12 to 2.30 and 5.30 to 7.30 p.m. with an extension on lecture evenings and social occasions. At other times the room is available to members for general sitting around, but in my opinion they will not be very comfortable.

PICTURES FOR HIRE

Those who can remember before the war may also remember that you could hire modern paintings to hang in your home and thus impress your neighbours, if you were interested in that kind of thing. It was an extremely good idea and, like trial marriage, had much to recommend it for those who like to buy a picture now and again. You may still hire pictures, and at very reasonable prices, too. The Artists' International Association in Lisle Street, off Leicester Square, has a library of about three thousand oil paintings. Many well-known painters are represented in it. In addition to an annual subscription of a guinea, the hiring fee is ten shillings per work per month. There are reduced prices for schools. The association can arrange transport, which must be paid for. It can also arrange travelling exhibitions. Among the many distinguished people on the advisory council of the association are two architects, Misha Black and Hugh Casson.

in the site have been taken over. An earlier scheme, which was not approved by the Minister, was for a rather larger building of about 700 rooms.

"Homes of the Future" Conference

When Mr. Henry Brooke, Minister of Housing and Local Government, opened the "Homes of the Future" conference, sponsored by the Federation of Registered House-Builders last Thursday, he said that buying a house might be the most important purchase in a man's life. Every houseowner deserved sound construction and good design; people need not and should not accept ugly housing. However attractive, houses lost their charm if they were strung out in a straight line. Architects and builders had a duty to the public at large.

Among the serious obstacles to good house design outside the building industry, Peter Moro mentioned the dead hand of aesthetic control, antiquated planning machinery, conservatism of building societies, and local authority control being in the hands of engineers.

Sir Hugh Casson said that he supported the importance of good grouping: architecture mattered far less. Everyone must agree that there was no such thing as ample land. We lived in an overcrowded island and we could not mess about. At the moment we were trying to improve architects by improving training methods.

Sir Hugh said his own three rules in aesthetics were: (1) there was no such thing as ample and spare land; (2) one must respect the place where one was going to build as an individual place; and (3) the architect must see the site himself and get the feeling of it.

Papers were read by J. L. Heap, A.R.I.B.A., chief architect to a firm of registered housebuilders; Peter Moro, F.R.I.B.A.; John Madge, A.R.I.B.A., of the B.R.S.; and Miss May Abbott, of the *Women's Mirror*.

Litter Bin Competition

Manufacturers are invited to enter for a litter bin design competition sponsored by the Council of Industrial Design, in association with the Ministry of Housing and Local Government, and the Department of Health for Scotland. The object is to promote the production of inexpensive well-designed bins for streets and open public spaces. The closing date is June 1.

Another Car Parking Device

Another mechanical system of parking vehicles, using a lift and trolley was shown in London recently.

The parking sequence is as follows: The car owner drives into a reception area. An attendant brings forward a trolley which raises the car onto a lift. The lift raises the car to the selected floor. The trolley moves down the central aisle and stops at the berth. The trolley returns to

the lift. All this is done automatically by an attendant pushing a button.

The developers of this transporter system, "Motopark", are Land and General Developments Ltd. The designers are F. E. Griggs and G. W. Kirkland, the latter a partner of Travers Morgan, civil engineers. The machine will be built by Stirling Electric Holdings Ltd. at their Dagenham works.

The developers stated that they had not yet obtained by-law approvals for their machine. They hoped that it would be found to comply with L.C.C. regulations.

Design and Structures Course

A residential course on the effect on design of new structure, materials and techniques will be held by the Bristol and Somerset Society of Architects at Dillington House, near Ilminster, Somerset, from Friday, April 22, to Sunday, April 24. The cost of the course is 3½gn (residents) and 2½gn (non-residents). Applications have to reach the secretary at 25 Great George Street, Bristol, 1, by April 4.

Death of Well-known Architects

We record with regret the death last Saturday of Mr. W. Curtis Green, aged 84, and Mr. C. Lovett Gill, aged 80.

Coming Events

The Design Centre, London.

Now, until April 2, at 28 Haymarket, S.W.1. "And so to Bedrooms", a large-scale special display dealing with bedrooms.

The Council of Industrial Design (Scottish Committee).

Now, until April 9, at 46 West George Street, Glasgow, C.2. A special display of Scottish products.

The Institution of Civil Engineers.

April 5, at 5.30 p.m., at Great George Street, S.W.1. "The Economics of Waste Water Treatment", by C. B. Townend.

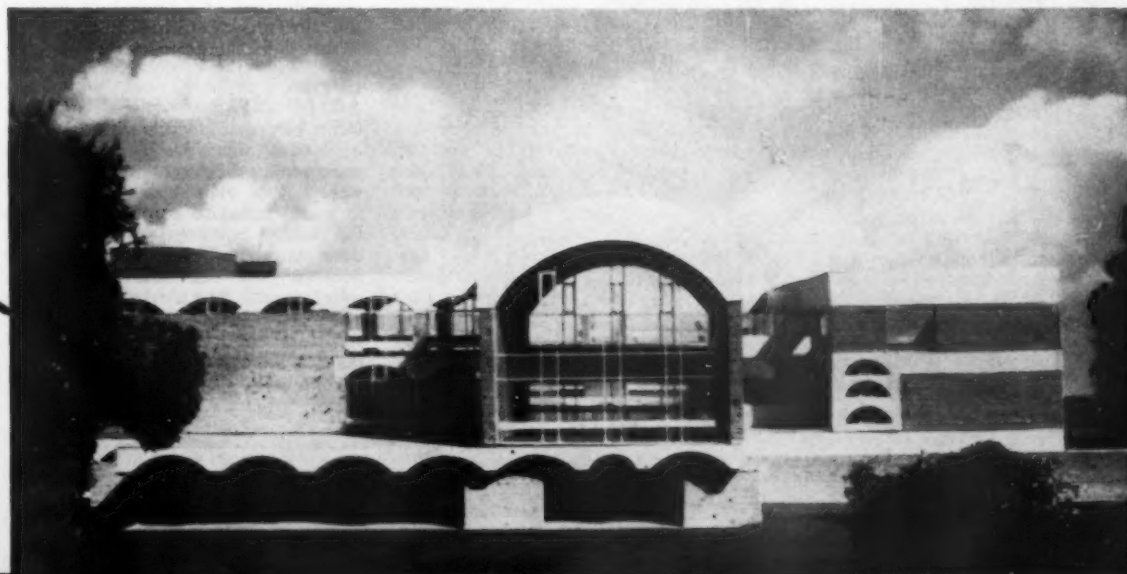
Corporation of London.

Now, until May 14, from 10.30 a.m. to 6 p.m. Mondays to Fridays at the South Court at Guildhall. An exhibition of the model and plans of the redevelopment of the Tower Hill Precinct.

Royal Institute of British Architects.

April 5, at 6 p.m., at 66 Portland Place, W.1. Presentation of Royal Gold Medal.

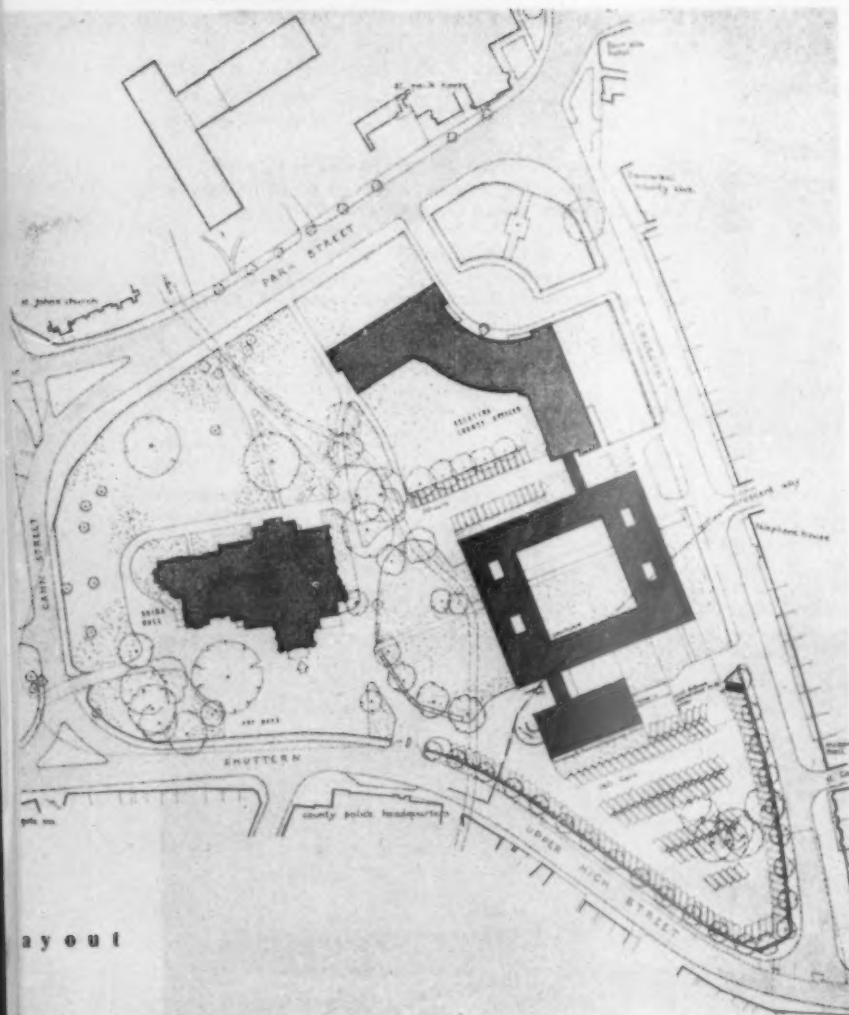
A view of the design for College House, University College of Sussex, by Basil Spence and Partners. See facing page



TAUNTON COUNTY OFFICES COMPETITION RESULT

- **First premiated design (£1,500)**
L. Tatum (Messrs. Goodwin and Tatum) [No. 65]
- **Second premiated design (£1,000)**
Sir John Burnet, Tait and Partners [No. 33]
- **Third premiated design (£500)**
M. Handley [No. 70]
- **Commended design**
A. H. R. Weitzel [No. 12]
- **Commended design**
B. Dewhurst [No. 57]
- **Assessors:**
Hon. Lionel Brett
Geoffrey Jellicoe
J. M. Richards

Site plan: winner's scheme



THERE was a rewarding number of designs deserving serious and detailed consideration, but at the end the assessors were in no doubt of the outstanding all-round qualities of No. 65. The promoters can be satisfied that in it they have the promise of a building which will serve its purpose excellently and, as a work of architecture, will do the county council and the town of Taunton credit.

The site was an unusually interesting one, and demanded a design worthy of the beautiful setting it provided, able to hold its own with the two buildings with which it had to be shared, and at the same time to create, in conjunction with them, a coherent landscape. It was in successfully fitting the building on to the site, and in making sufficiently imaginative use of the opportunities it offered, that many otherwise well-planned designs failed. Compared with the proper use of the site, the planning of the required office accommodation presented no exceptional problems, although not many competitors managed to achieve good lighting, easy circulation, the necessary flexibility and convenient grouping of departments all at the same time.

Most of the designs submitted conformed to one of three types of layout; the quadrangle, the slab and the tower. There were, however, a number of departures from these three types, including the second and third prize-winners.

Among the more orthodox designs that also departed from the three types of layout noted above, the following deserved notice. No. 63, which combined a curving two-storey wing near the east end of the Shire Hall with a four-storey wing running at right-angles up to the Crescent, and a basement car-park. Its elevations, however, were disappointing. No. 66, which also had two wings at right-angles, the higher wing in this case being parallel with the Crescent. But the height was excessive, resulting in a defect common to many schemes with the bulk of the accommodation in this position, that of casting into shadow the present sun-filled Crescent, and blocking the views from it.

Three Main Types

To return to the three main types of layout, there were several brave attempts at the tower plan, but they were out of scale with the surroundings and failed to compose well with the existing buildings. A tower, moreover, with its small area, made it necessary to distribute departments over several floors. In spite of its obvious advantages in freeing ground-space, it was clear to the assessors that a tower-building was not the answer. The best attempt was No. 25,



Elevation from the Crescent: winner's scheme

which was well thought-out and unusually sensitively drawn.

None of the attempts at a slab plan, parallel with the Crescent, was very successful in spite of its advantages in the way of simplicity, largely because it spoils the openness of the Crescent, interrupted the delightful views across the site (for example, to the tower of the Gilbert Scott Church) and, in order to get the accommodation into this plan, it was necessary to rise to a height greater than that of the existing County Hall, which seemed undesirable, especially when the new building, as was usually the case, was placed immediately adjoining it.

The quadrangular plans were, on the whole, the most successful, and lent themselves well to the efficient lay-out of the accommodation asked for. But they needed careful handling because they tended to occupy a lot of ground and to cut into the landscaping of the site in a rigid and unsympathetic way. In most cases, also, their internal courtyards, being wholly enclosed, could play no part in the total landscape, the building from outside reading as one solid block.

Both the commended designs had a quadrangular plan. No. 57, an impeccable example of the Miesian aesthetic, was presented in a beautiful set of drawings. This design, like No. 48 and one or two others, adopted the quite legitimate principle of isolating itself completely from the romantic landscape round it, instead of co-operating with it, and it emphasized the contrast by preserving the

little Gothic houses on the southern side. The design was cold, final and efficient, but lacked the imaginative inter-penetration of spaces achieved by some others, notably the winner. The accommodation was well arranged except for a not very attractive basement canteen.

No. 12, the other commended design, had some attractive qualities, especially in the character and scale of the elevations, which were low (an advantage especially on the Crescent side), owing to the spread-out nature of the plan. But this had its own drawbacks; it filled the ground-space right up to Shire Hall, and introduced an angular two-storey car-park into the area behind the existing County Hall. The canteen and committee rooms were forced into a separate, rather arbitrary, egg-shaped building, and several aspects of the internal planning of the main quadrangular building were poor—notably the very poky entrance and staircase halls.

Quadrangles

Other quadrangular plans deserving mention, but possessing some of the same faults, were the following. No. 55, another one with well-scaled elevations but in this case rather coarse in character. No. 32, which was all on two floors and therefore occupied a great deal of the site, and suffered from faulty internal planning in the very wide wings surrounding four identical small courts. This somewhat doctrinaire design, with cold diagrammatic elevations, was

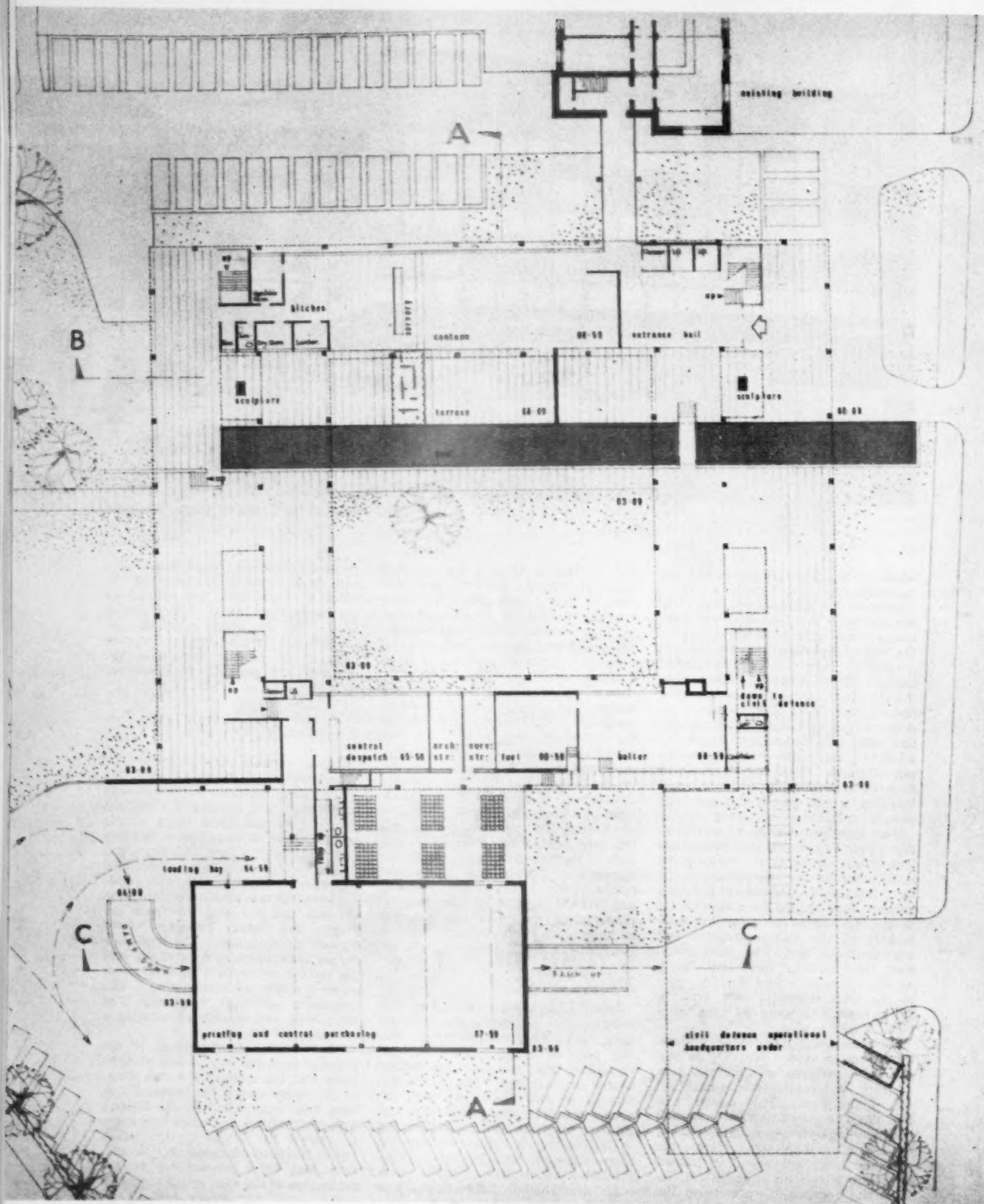
elegantly presented. No. 2, a neat plan with poor lighting in some of the offices. This had well-worked-out but somewhat commonplace elevations. No. 19, which again was insensitive to the landscape and spread itself in an angular way over too much of the ground. Its elevations were good.

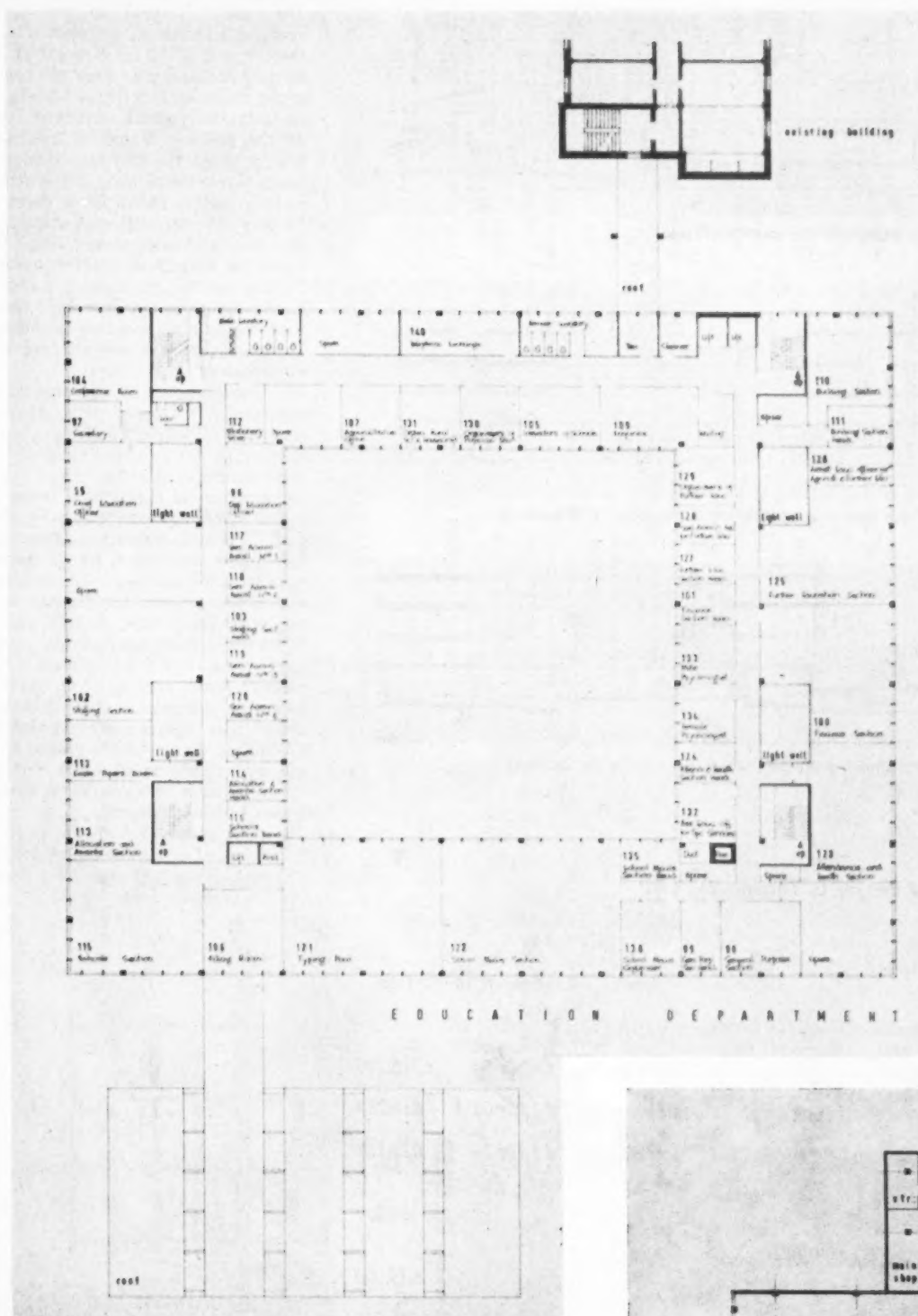
Premiated Designs

There remain for comment the three premiated designs. No. 70, placed third, appealed to the assessors enormously and was nearly a brilliant winner. In the form of a simple hollow circle, it promised a building with its own forceful character, making a self-contained architectural statement complementary to that made by the two existing buildings on the site, and handling the space between the three buildings more attractively than any. The landscape flowed between them delightfully, and the whole conception showed welcome qualities of imagination. The expressive drawings suggested that the author was capable of creating a real work of art.

The obvious disadvantages of the radial plan in the way of loss of flexibility and the inevitable wedge shape of the rooms could, the assessors felt, have been outweighed by the design's many advantages, but when they came to analyse the design in detail they found faults of planning and circulation, and other weaknesses in the realisation of the idea, which suggested

Continued on page 414

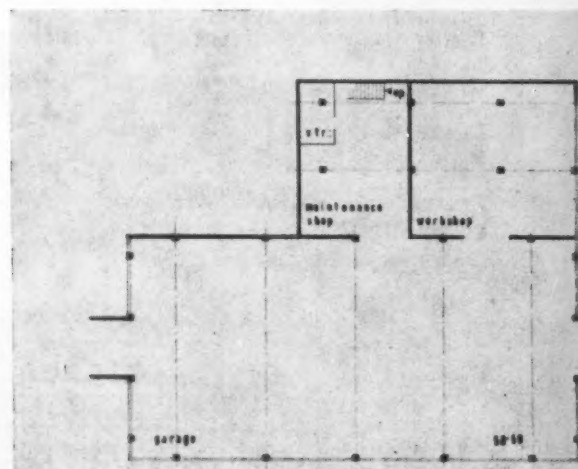


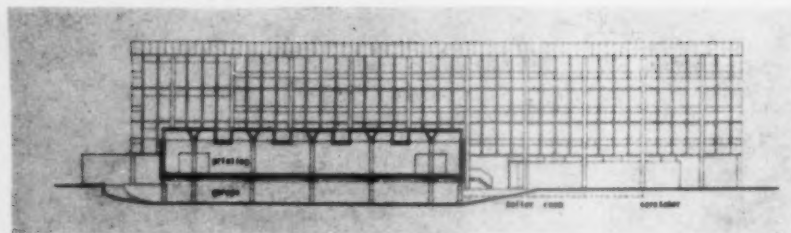


First-floor plan

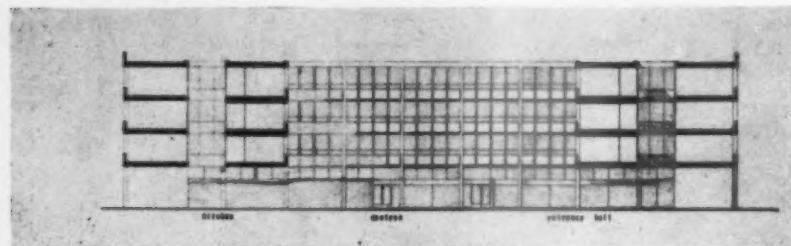
Right, basement plan

First premiated design by L. Tatum [No. 65]

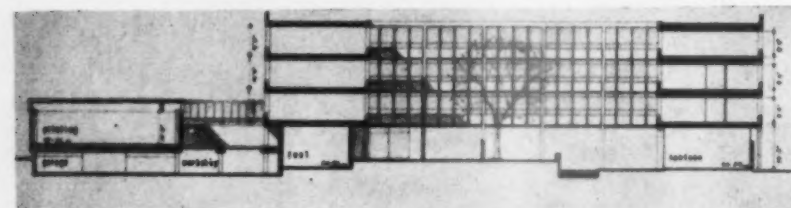
TAUNTON COUNTY OFFICES



Section through printing and the south elevation



Section through from east to west showing the interior light wells



Section north-south showing the pool which runs under the building

First premiated design, L. Tatum [No. 65]**ESTIMATE OF COST****MAIN BUILDING**

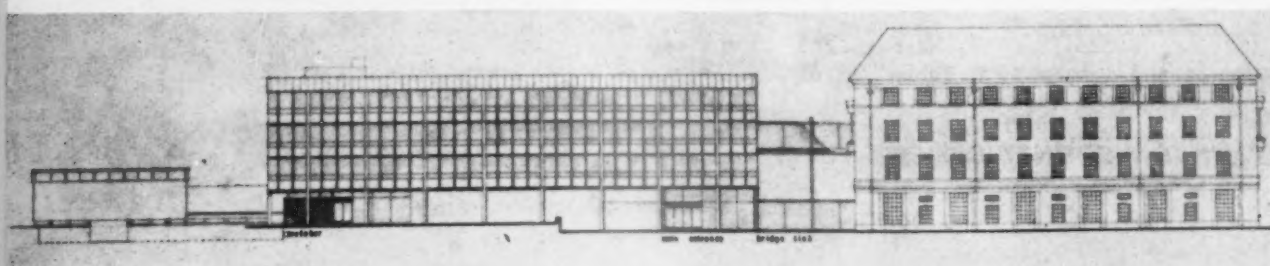
	Area	Cost per ft sq	Total
Main building, including venetian blinds to all windows east, west and south elevations	70,024 sq ft	£4 10s 0d	£315,108
Printing and Central Purchasing ...	4,512 sq ft	£2 10s 0d	£11,280
Garage, Maintenance and Workshop ...	6,332 sq ft	£3 10s 0d	£22,162
External works within curtilage of buildings on ground floor			£4,800
External works generally, car park, grassed area, trees, etc.			£35,000
Total cost			£388,350

The author wanted to provide a continuous facade on the west side of the Crescent at the same height as the existing houses and to keep the centre of the triangular site free of building to create a more usable recreation area. As the building is low, a courtyard plan provides the shortest circulation routes within the building and with the existing County Hall. Large areas of building have been left open at ground-floor level to provide views through the site to the Shire Hall from the Crescent. To improve the day lighting standard in the deeper wings, four light wells, each 19 in by 11 in, have been introduced. These wells provide natural light and ventilation to the corridors.

The printing and central purchasing department is planned as a separate unit south of the main building, since it has a different function, scale and is likely to be a noisy place.

The structure is a structural frame of in-situ reinforced concrete on a 19 in grid. Pre-cast concrete mullions are fixed to the structure at 4 ft 9 in centres to support the cladding. The mullions and in-situ columns are finished with one-inch rubbed slate. Spandrel panels to the upper floors are generally in one piece of 4 in thick Portland stone. The ground floor, printing and general purposing departments are in brick. Upper floor windows are aluminium. The glazed screens to the ground floor are also of aluminium. The ceilings are of acoustic tiles carried on timber framing under the beams.

The main access is from the existing cross-over. Car parking is provided for 192 cars. Parking positions are shown by using concrete kerbs.



Second precast design. Sir John Burnet, Tait and Partners [No. 33]

The new building is placed on the site so as to compose with the existing County Hall and Shire Hall but without aping their architectural mannerisms.

The main entrance is from the Crescent. All loading and unloading of goods is to the rear of the wing facing the Crescent at ground-floor level. There are corridors at ground- and first-floor levels to the County Hall, the corridor at ground-floor level being increased in width to serve as a gallery for temporary exhibitions. The canteen is entered from this corridor at the end nearest the County Hall.

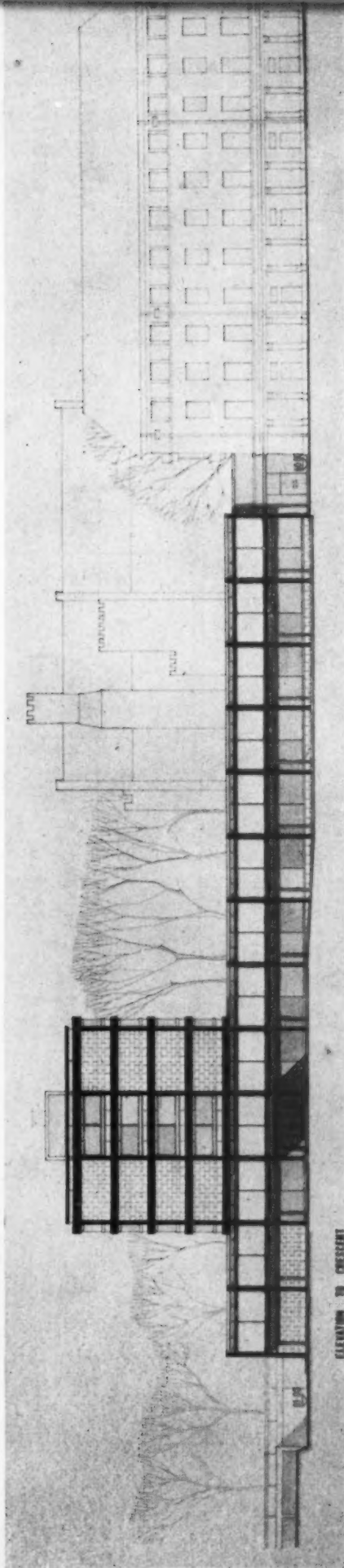
The construction is in-situ reinforced concrete frame of beams and columns with pre-cast floor units. The south covered car park has in-situ reinforced concrete columns, prestressed beams and in-situ roof slabs.

The external finishes to the beams and columns are $1\frac{1}{2}$ in West of England

granite facing slabs. The solid infill panels are of cavity wall construction, the outer skin being of 4 in Portland stone and the inner skin of brick. The windows are steel, purpose made. Windows at first-floor level are composed of fixed panels below fan-light level, generally of $\frac{1}{2}$ in plate glass out of white ply glass with cut-out clear vision slits at intervals on the elevation facing the Crescent, and, on the west elevation between the six-storey wing and the County Hall, double glazed with venetian blinds fitted internally.

ESTIMATE OF COST

	Area	Cost per ft sq	Total
MAIN BUILDING			
Main office block	82,314 ft sq	90/3	£371,442
Garage building	5,824 ft sq	42/-	£12,230
External works including roads, paved area, car parking, drainage and landscaping			£12,000
Total			£395,672
The Civil Defence Operational Headquarters	5,250 ft sq		£26,250 approx.

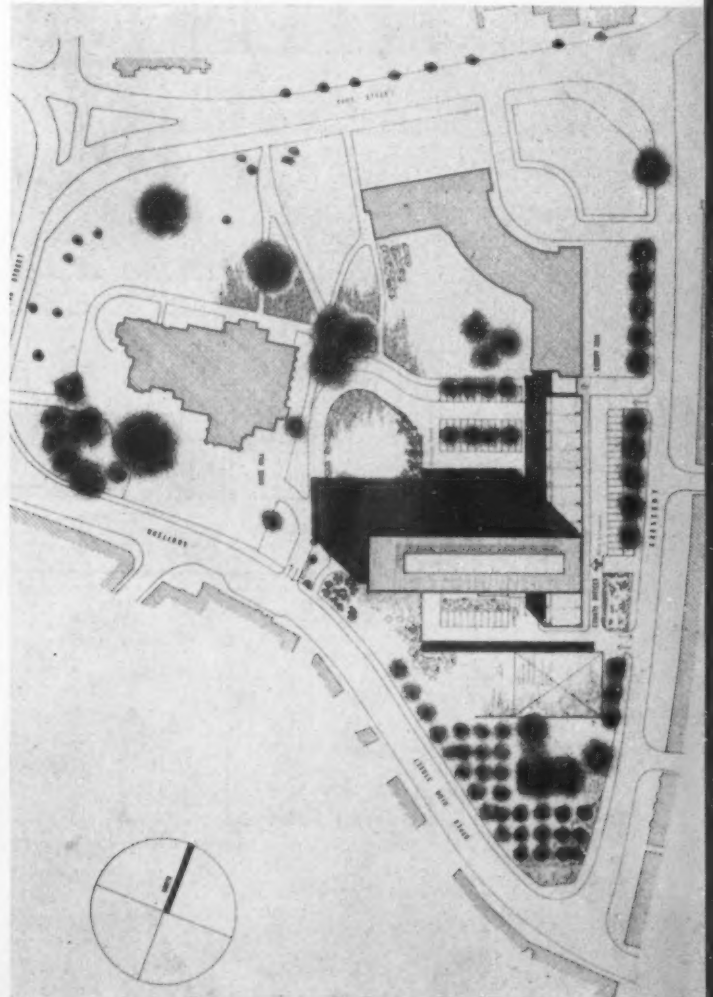


ELEVATION TO CRESCENT

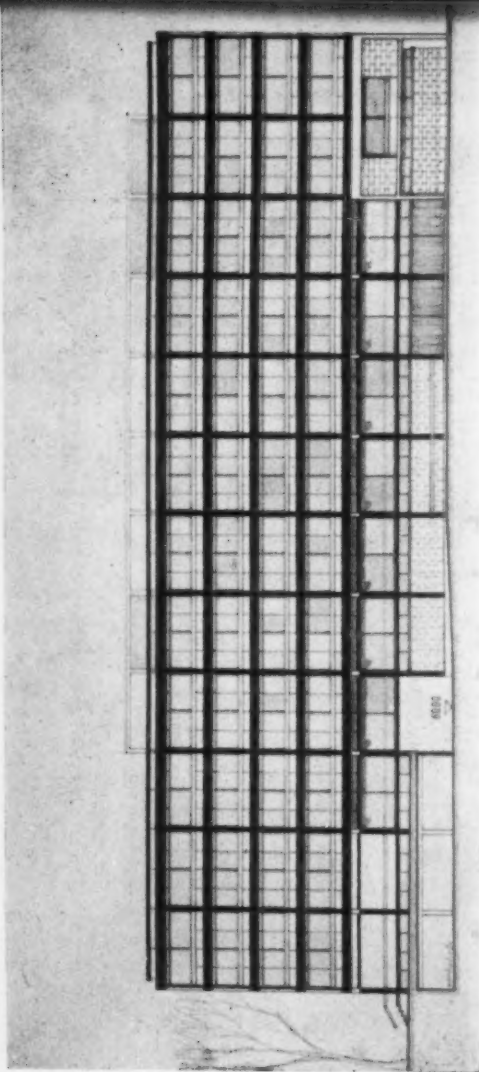
Elevation to the Crescent

TAUNTON COUNTY OFFICES

Site plan

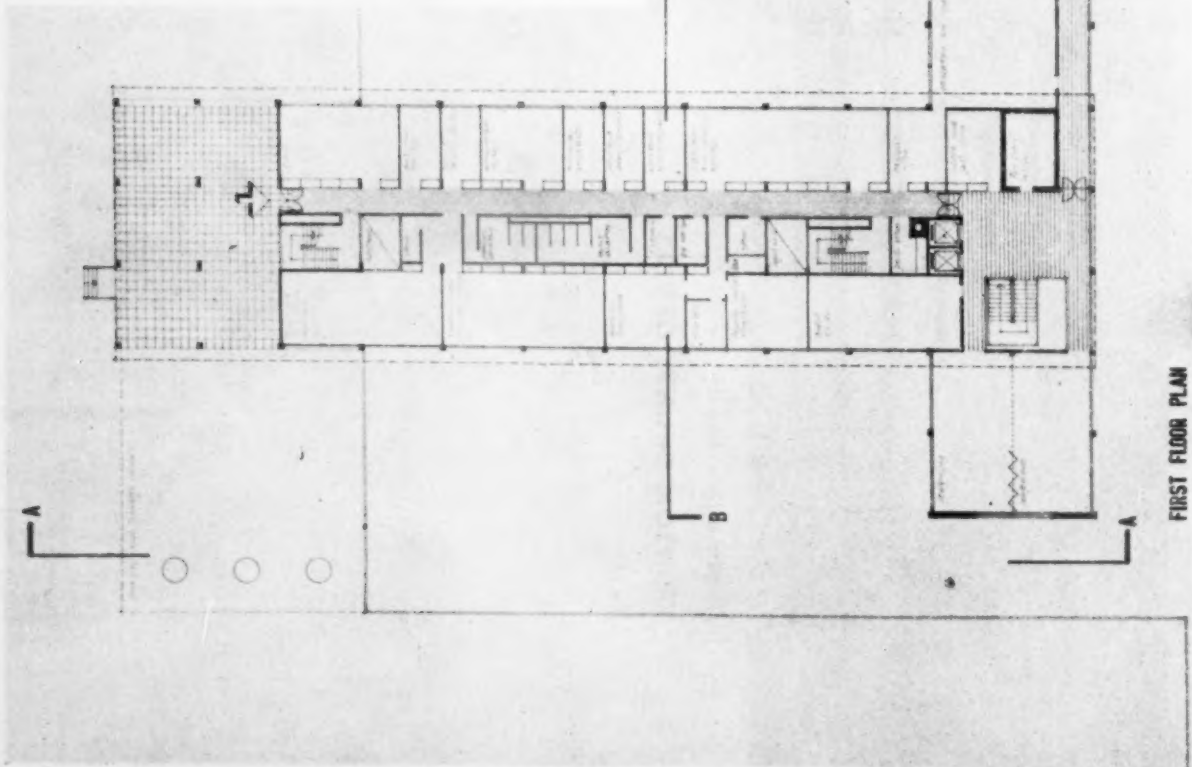


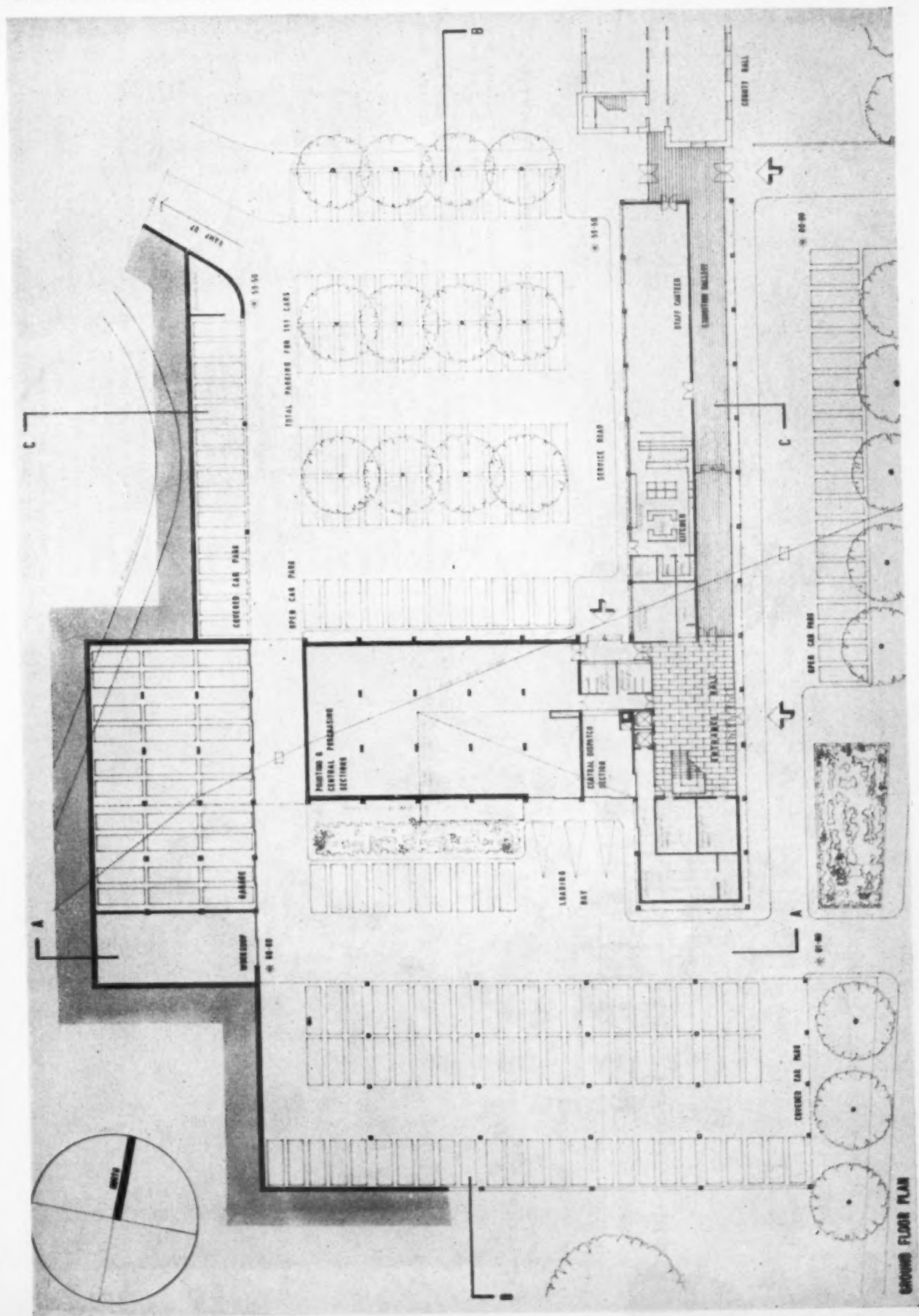
TAUNTON
COUNTY
OFFICES



Elevation from the south

Second premiated design by Sir John Burnet, Tait and Partners [No. 33]

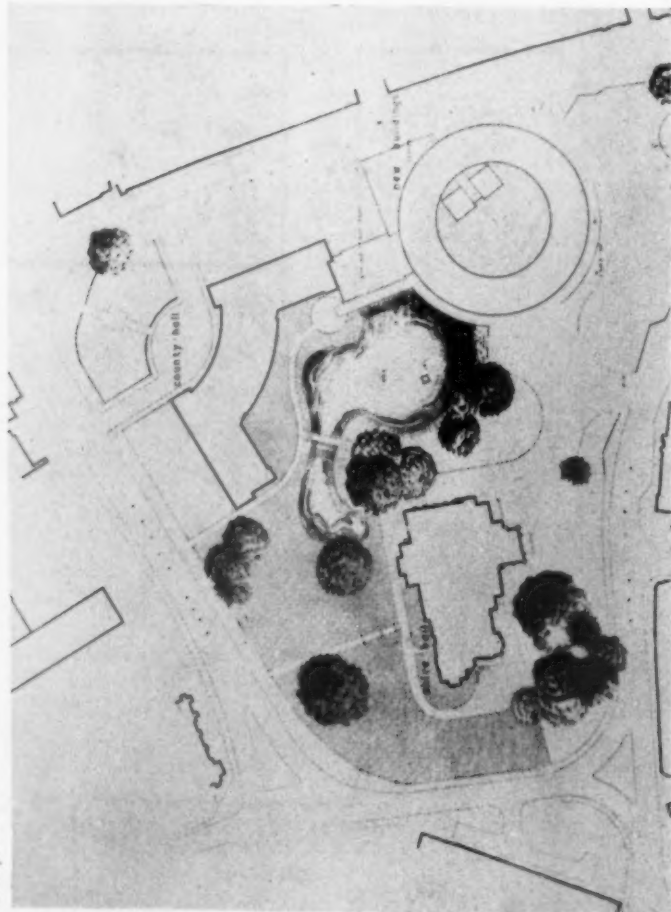






Elevation to the Crescent

Site plan



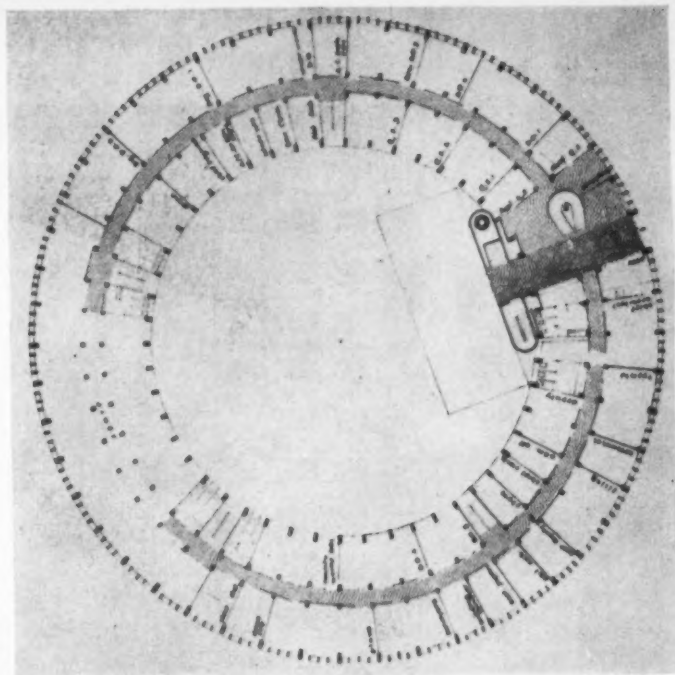
Third premiated design by M. Handley [No. 70]

The author's idea was that the building should be linked to the southern wing of County Hall for direct circulation and that the approach should be immediately recognizable from the end of Corporation Street. The dominance of the curve in County Hall, approached either from the town or from the Shire Hall, would become more apparent in this architect's opinion if the site was opened up. The culvert, which on plan divides the site, has been used for a cascade pool around which the three buildings group.

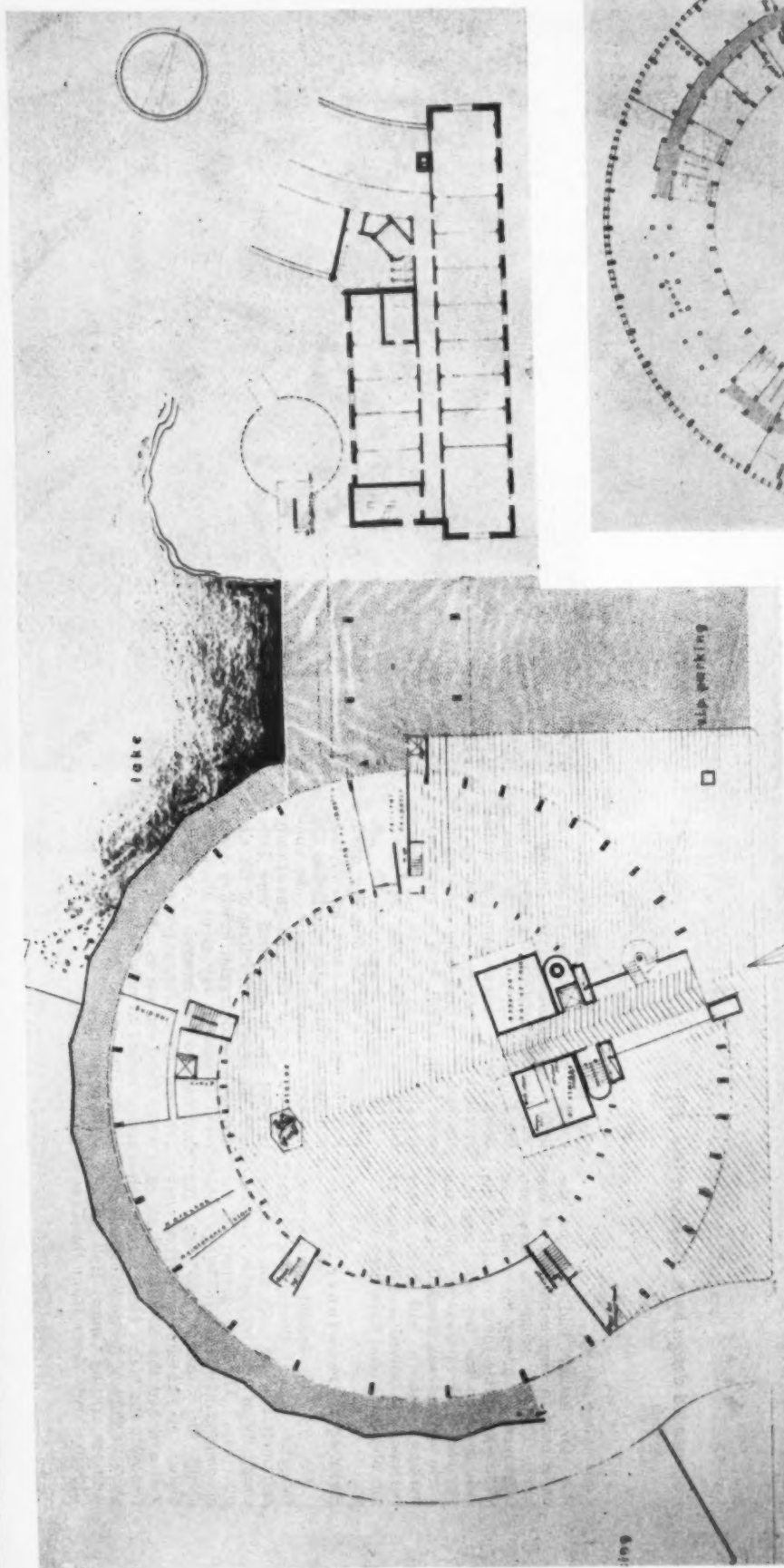
The essential repetitive element of the planning requirement is a "couple" comprising one room of 180 sq ft and another of 135 sq ft (together with their multiples) and this unit can be obtained naturally around a circular courtyard whose diameter is 116 ft. The building is designed on a reinforced concrete frame with upstand beams around the internal and external perimeters. The columns are covered with dark-brown terra-cotta; the upstand beams are in natural concrete brought to a smooth finish and whitened. The infilling panels on the third floor

contain aluminium windows with opening lights and separated by dark-brown reinforced terra-cotta fins. The ground floor and all other external work is in poured concrete, bush hammered in parts

ESTIMATE OF COST			Cost per sq ft	Total
MAIN BUILDING	Area	79,380 sq ft	87/6	£347,287
Open space at ground level	Area	7,846 sq ft	45/-	£17,653
Lamson compressed air system				£8,000
External works: paving and landscaping		11,550 sq yd	35/-	£20,213
Total				£393,153
Civil Defence		5,000 sq ft	95/-	£23,750

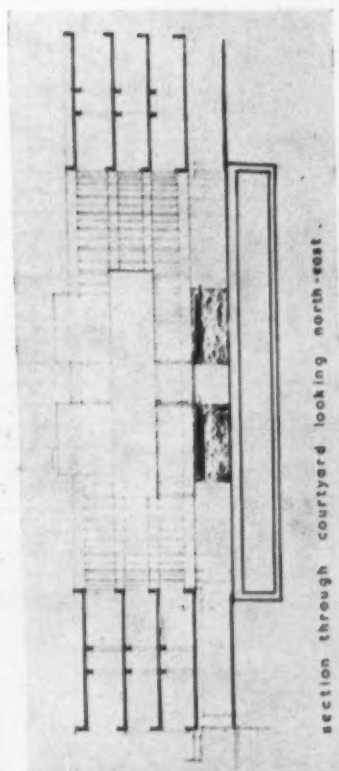


Typical
office floor
plan

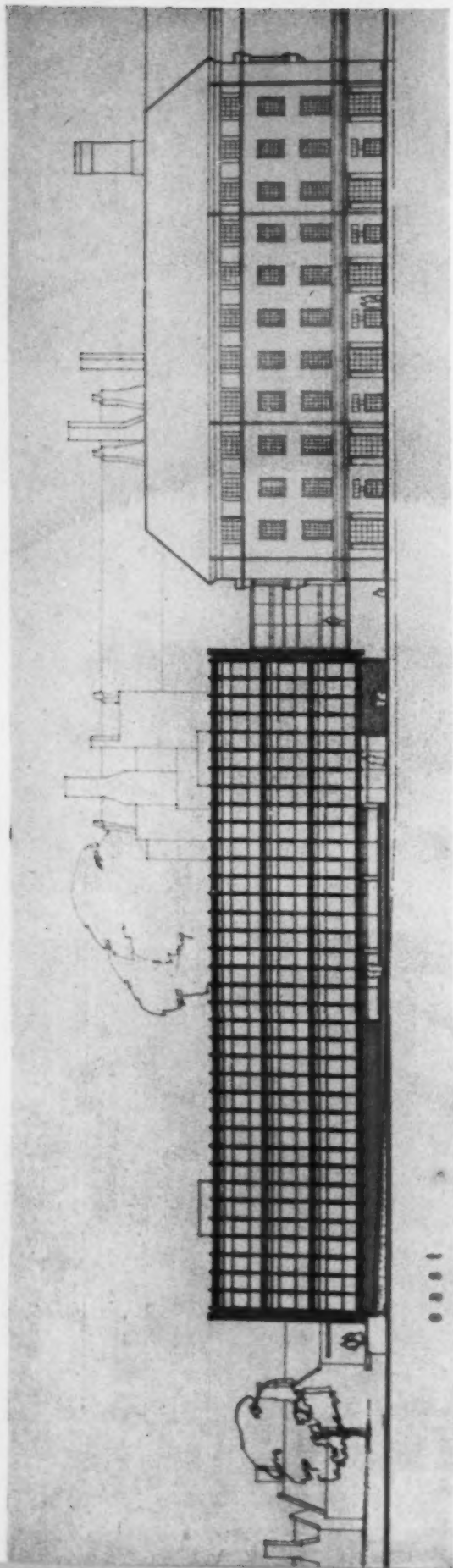


Ground-floor plan

TAUNTON COUNTY OFFICES



section through courtyard looking north-east



Commended design by B. Dewhurst [No. 57]

Elevation from the Crescent

Continued from page 405

that the author had not yet the experience to plan a building of this kind. The plan could also have been improved by giving the dead space within the circle some outlet into the landscape on the far side, and the square block projecting into the circle was not well handled. The car-parking problem had been rather perfunctorily solved and the cost of the building would have been high.

Second Prizewinner

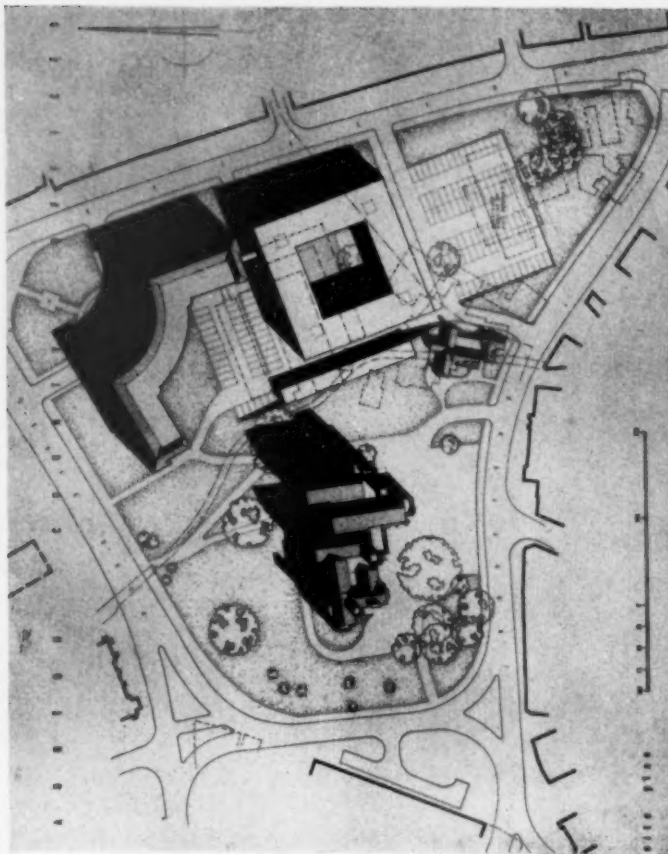
No. 33, the second prizewinner, though less imaginative was extremely efficient, with the deceptive simplicity of the thoroughly worked-out plan. The arrangement of the accommodation in two wings, one along the Crescent and one, the higher, at right-angles, worked very well and had the advantage both of removing the higher block far enough away to prevent it competing directly with the existing County Hall and of allowing cross-views from the Cres-

cent to Shire Hall and the church spire. The car-parking problem had been conscientiously faced but in a way that cluttered up the base of the building and offered unattractive views down into the sunken garage from the entrance and nearby. At the back, the end of the high wing came rather close to Shire Hall, with the result that the characteristic effect of the ground falling away at this point was lost.

The winning design, No. 65, was presented in a set of drawings much less attractive than some, and its outstanding qualities only emerged as the assessors studied it closely. By contrast with many of the designs already referred to, it interfered very little with the present modelling of the site and set a quadrangular building down on it in such a way as to allow the landscape to flow beneath it. This was achieved by an open ground floor, which freed the site in a brilliant way and promised to provide ground-level spaces that would be delightful to walk about in.

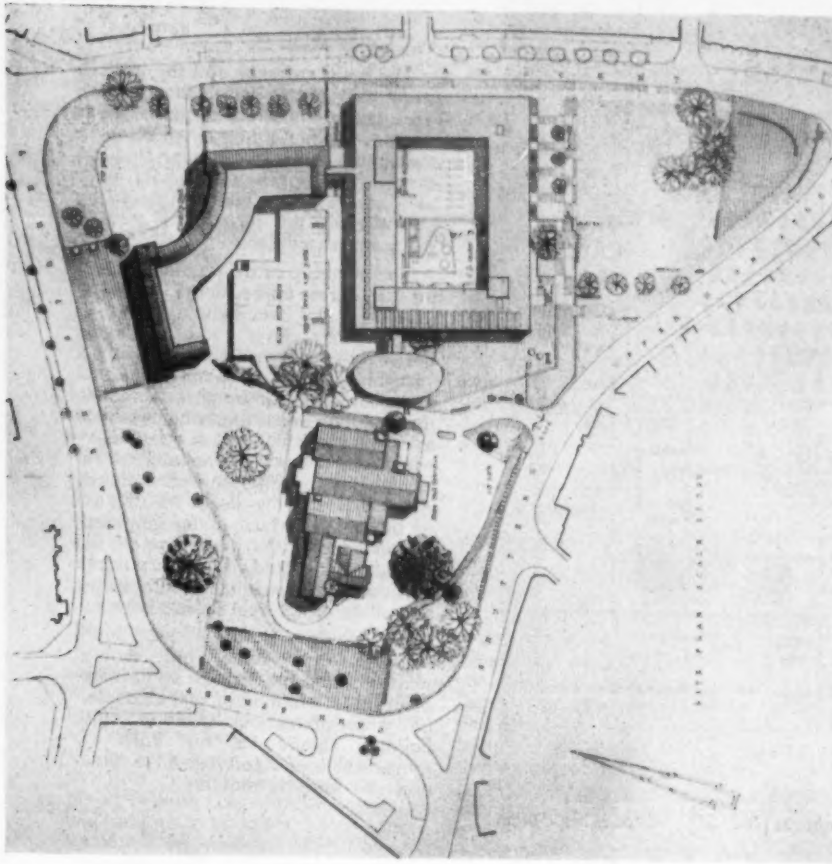
Continued on page 416

Site plan



TAUNTON COUNTY OFFICES

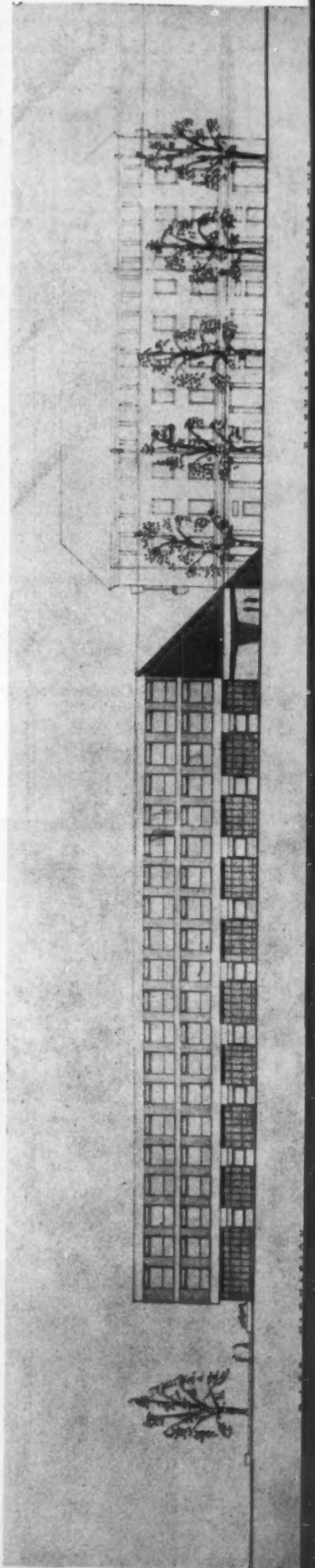
COMPARATIVE SCHEDULES OF ACCOMMODATION				
	Accommodation asked for in sq ft	Accommodation given in sq ft 1st Prizewinner	Accommodation given in sq ft 2nd Prizewinner	Accommodation given in sq ft 3rd Prizewinner
Ground Floor	10,900	14,539	15,762	10,700
Treasurer's Department	8,635	8,771	8,689	8,326
Surveyor's Department	7,435	7,597	7,948	7,204
Architect's Department	9,475	10,356	9,693	9,860
Education Department	13,315	13,640	13,921	12,900
Spare Office Accommodation	6,000	6,100	6,232	5,500
Staff Canteen	3,000	3,048	2,622	2,800
Two Committee Rooms	1,330	1,357	1,154	1,300
Telephone Exchange	270	270	270	200
Women's Rest Room	270	226	270	200
TOTALS	60,630	65,904	66,540	58,970



Site plan

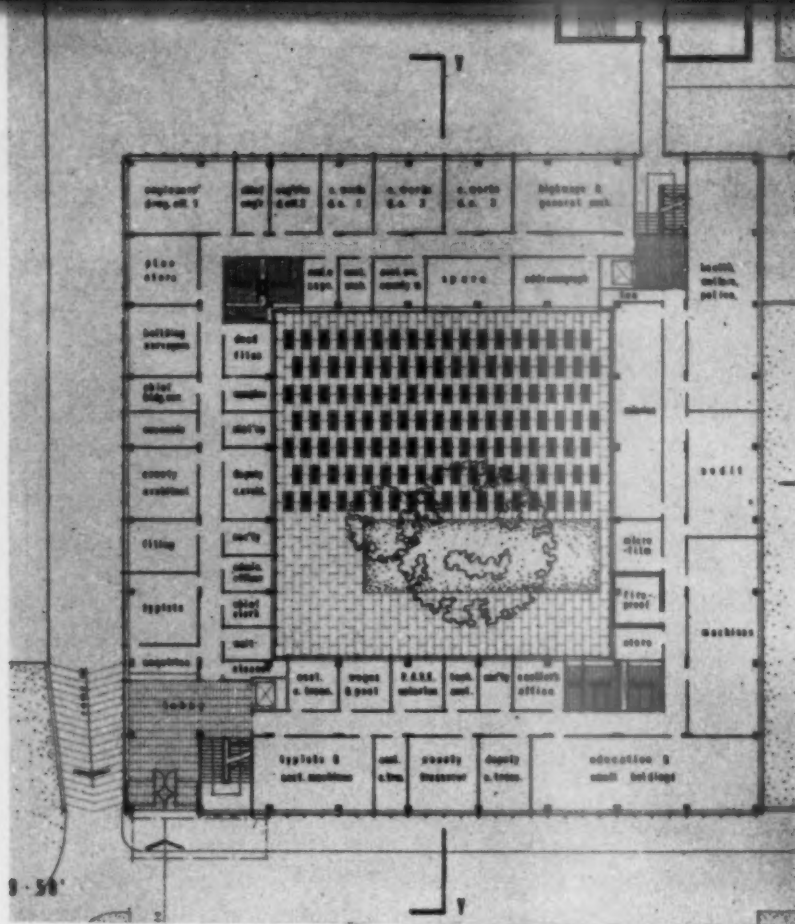
Commended design by A. H. R. Weitzel [No. 12]

Elevation from the Crescent



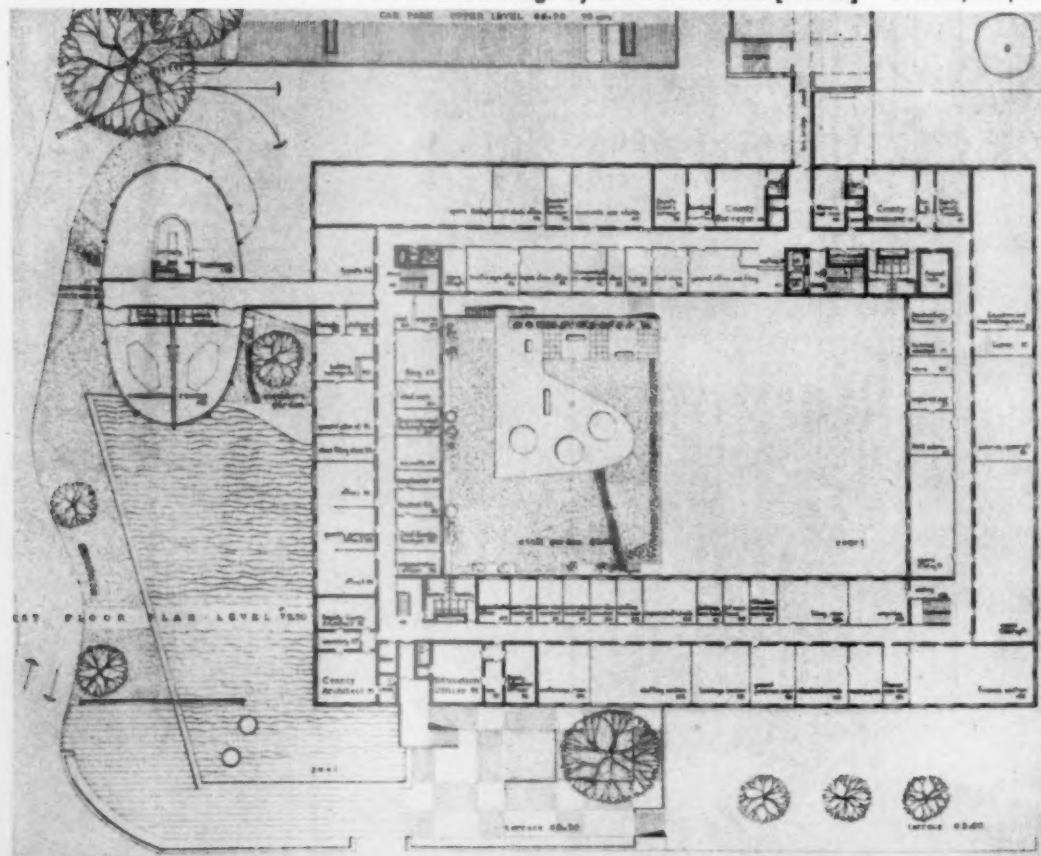
The planning of the accommodation on the three upper floors promised agreeable and well-lighted suites of offices. A clever and justifiable device was the combination of a vertical with the orthodox horizontal grouping of departments on the two upper floors—what might be described as a maisonnette type of planning—with each department connected internally by its own corner staircase. Another interesting device was the use of light wells which, although small, descended into the open area of the ground floor and would therefore introduce reflected light from below as well as direct light from above.

The winner's elevations were more tentative than some, but showed sensitivity and the promise of development into a building of real character, no more pretentious than an office building should be, but with the refinement and dignity that the situation and purpose require.



Commended design by B. Dewhurst [No. 57] *Ground floor plan*

Commended design by A. H. R. Weitzel [No. 12] *Ground floor plan*



SCHOOL EQUIPMENT CENTRE, LONDON S.E.11

This scheme has been prepared by the General Division of the Architects' Department of the London County Council. Architect to the Council: HUBERT BENNETT. Deputy Architect to the Council: F. G. WEST. Senior Architect, General Division: D. C. H. JENKIN. Former Assistant Architect, General Division: P. E. JONES. Group Leader: JOHN STEDMAN. Assistants: PRISCILLA SIMPSON, ERIC RIBET. Quantity Surveyors: BAKER, MALLET and Partners. Principal Quantity Surveyor: M. F. RICE (L.C.C.). Heating, Electrical and Lift Installations: J. RAWLINSON (Chief Engineer, L.C.C.). Consulting Structural Engineer: THE PRE-STRESSED CONCRETE Co. Ltd.

THE School Equipment Division of the Education Officers' Department of the L.C.C. required purpose-built premises in the central area to bring together its administrative and operational sections. Before the war the division was based at County Hall, but subsequent expansion led to its being housed in several temporary premises scattered over London. The need was for a building readily accessible to the many heads and principals who visit the centre, with large uninterrupted floor areas to provide well-lighted display and storage space, capable of sub-division to allow for varying use and adaptation to meet growing and changing needs.

The centre acts as an administrative headquarters controlling the supply of furniture, equipment, apparatus and materials to some 1,500 educational establishments in London. Teaching staff are regular visitors and educationists from all over the country and from overseas frequently come there. The sample and display rooms exhibit the best books, films,

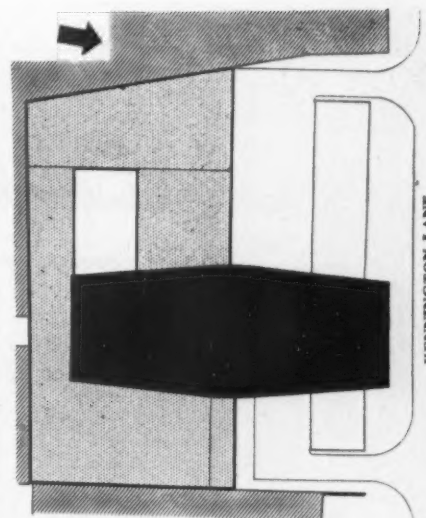
pictures and apparatus available for school and college use and present the ranges of furniture specially designed by the council. The building is also required to store and handle the large loan collections which are constantly moving to and from schools and colleges.

Planning

The building scheme is composed of three main elements. First, a single-storey building containing maintenance and tool repair shops, grindstone repair room, pottery kiln room, storerooms for furniture held for lending to meet occasional needs and for metal and tool spares; this accommodation has direct access to the loading bay. A locker hall, mess-room and parking and dispatch areas are situated immediately behind the loading bay.

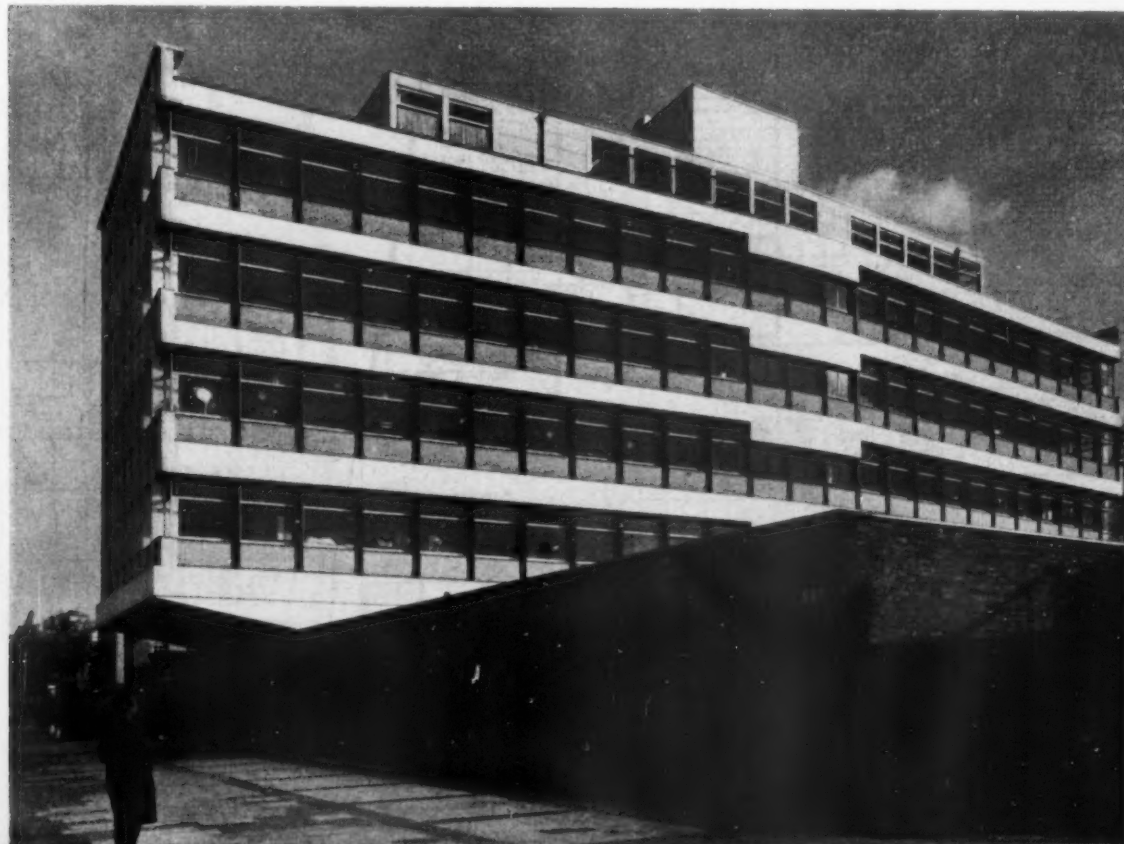
Secondly, garages forming the street frontage to the scheme and serving as a screen for the yard.

Thirdly, a four-storey building (with provision for a possible fifth storey later), supported above the



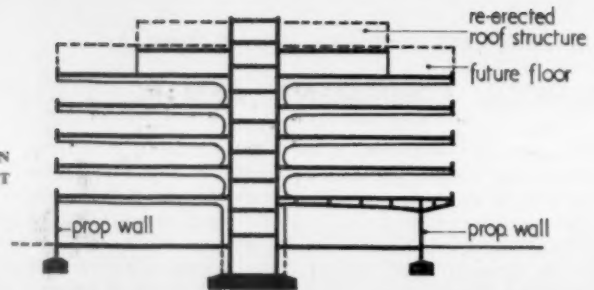
The centre seen from Kennington Lane. On right, exit for vans

Photos: HENK SNOEK and L.C.C.

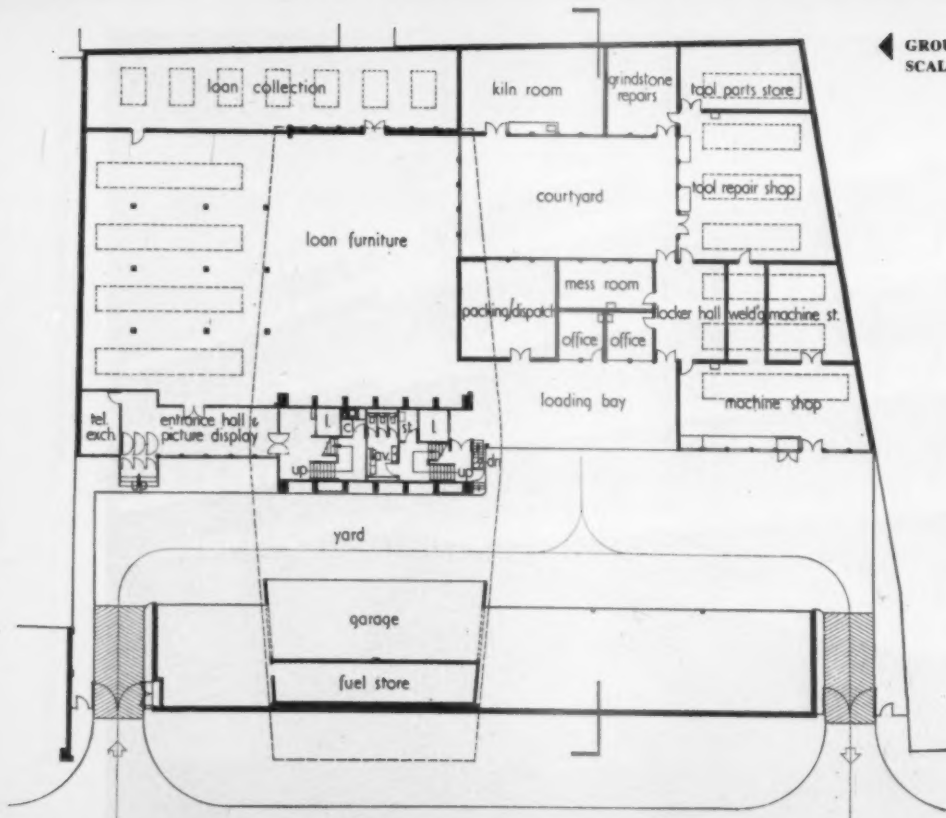


SCHOOL EQUIPMENT CENTRE

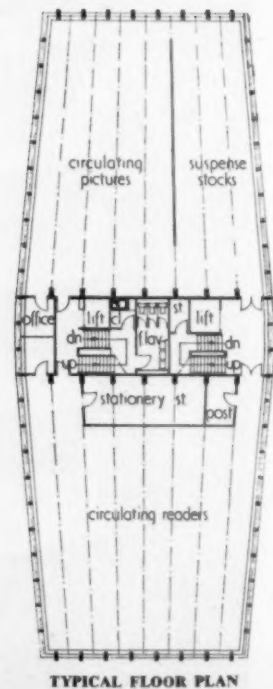
LONG SECTION
SCALE: 1 IN=64 FT



The canteen on the fifth floor
There is also a caretaker's flat on this floor



GROUND-FLOOR PLAN
SCALE: 1 IN=48 FT



TYPICAL FLOOR PLAN

single-storey block and yard, containing the sample and display rooms, administrative accommodation and committee rooms and, on the roof, a canteen and a caretaker's flat.

Construction

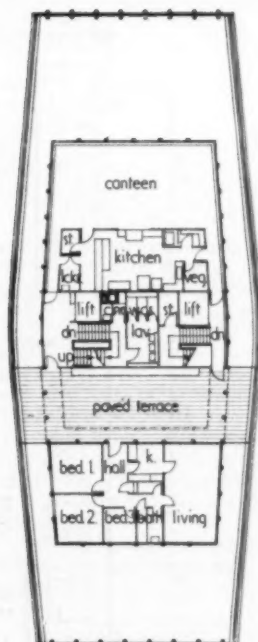
The main four-storey block is 152ft long, 61ft 6in deep at the centre and 73ft high, excluding the lift motor room. It has been designed to provide the principal requirements of large, well-lighted areas, in which to display the ranges of furniture and equipment to the head teachers and other visitors, together with unusual strength to take heavy floor-loads. A "propped-cantilever" system of construction enabled this to be achieved. A reinforced post-stressed concrete core, in the shape of a hollow box, measuring 48ft by 18ft on plan, forms the centre of the block and gives central support at each floor level to two sets of reinforced post-stressed concrete beams, each 67ft long. These beams are propped at the other end by spandrel beams; first and second floors will support floor loads of 200lb per sq ft; the third, fourth and future fifth floor will each support floor loads of 100lb per sq ft.

The central core contains the lifts, staircases, service ducts and most of the plumbing. Access is provided from it to all departments and to the loading-bay in the single-storey block.

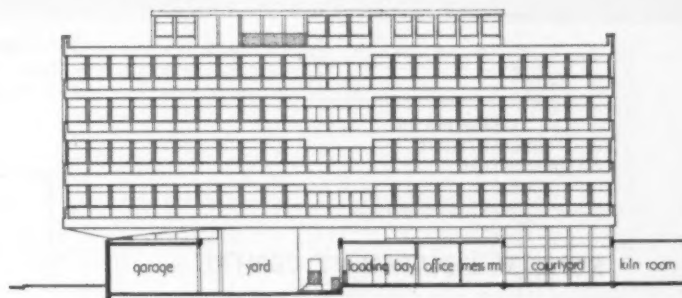
The canteen and caretaker's flat on the present roof are designed



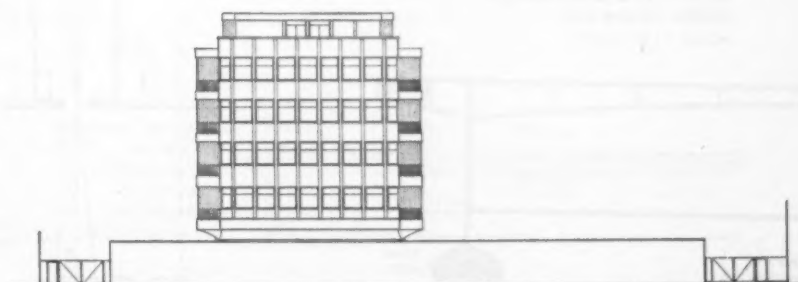
View from Kennington Lane. The entrance hall straight ahead and the slab block on the right



FIFTH-FLOOR PLAN

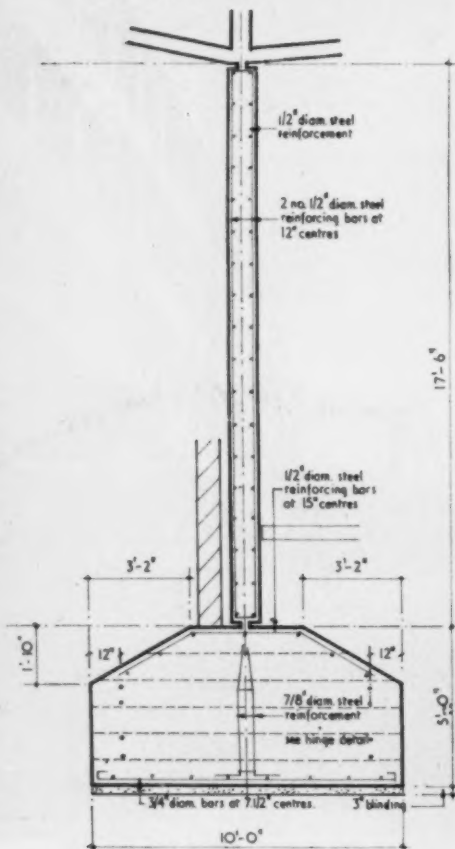


LONG SECTION. SEE GROUND-FLOOR PLAN



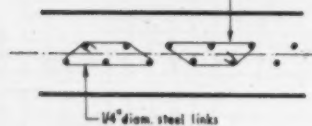
ELEVATION TO KENNINGTON LANE

The cantilever over Kennington Lane. On this page details of the concrete prop walls that occur at the north and south ends at the ground-floor level of the slab block



SECTION THROUGH PROP WALL

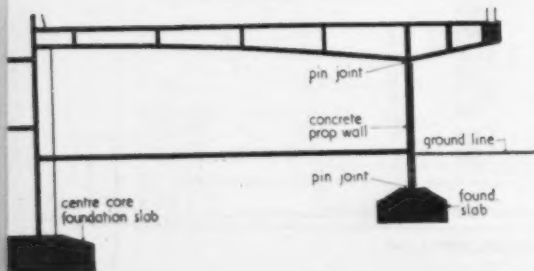
bar spacing may be adjusted to avoid cables etc in beam



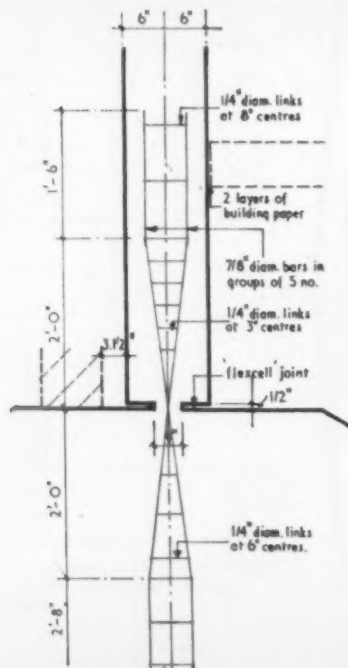
PLAN ARRANGEMENT OF HINGE STEEL

SCHOOL EQUIPMENT CENTRE

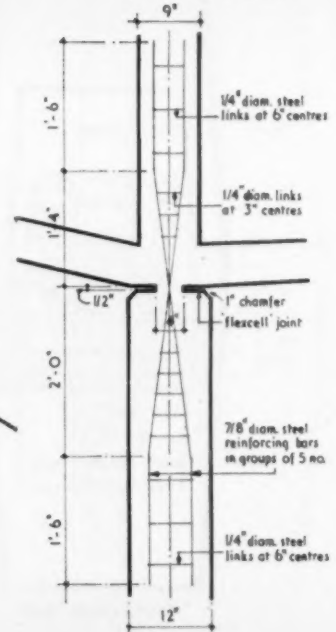
SECTION THROUGH FIRST FLOOR, NORTH END
SCALE: 1 IN=32 FT

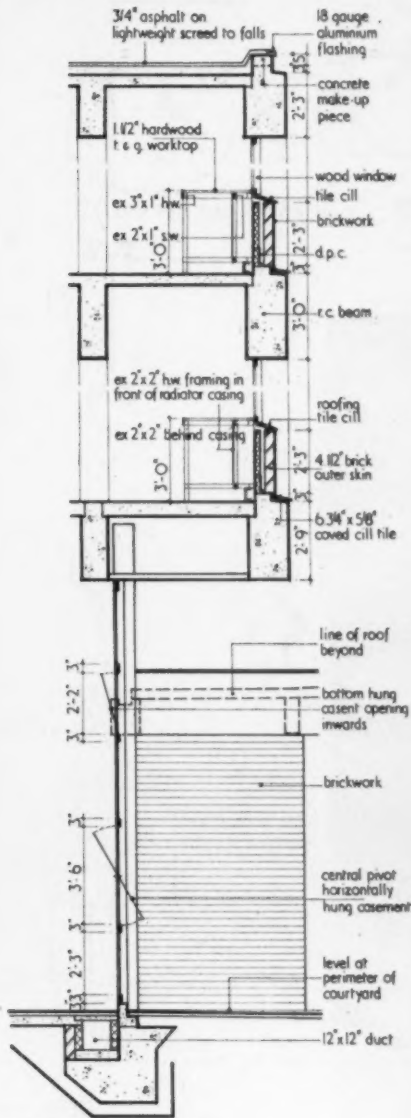


▼ BOTTOM OF HINGE



▼ TOP OF HINGE





CROSS SECTION THROUGH
MULTI-STOREY BLOCK
SCALE : 1 IN=6 FT

so as to be dismantled easily and rebuilt when the fifth floor is added and enable as much as possible of the material to be re-used. The lift as installed will serve all five floors and the motor room, which rises well above the fourth floor, will, of course, be almost unnoticed from the ground when the fifth is added.

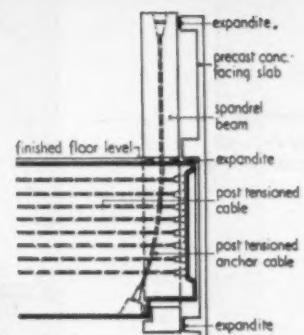
All concrete walls and ceilings are smooth faced and are not plastered before painting. Similarly, linoleum flooring is placed direct on the structural floor slabs.

The garages and single-storey block are of normal beam and slab construction.

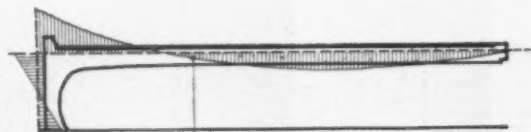


Typical floor of the slab block. Below
of the propped cantilever beam (66ft
cantilever) shown in the view above

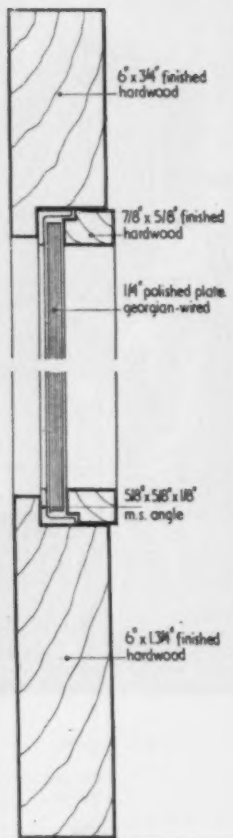
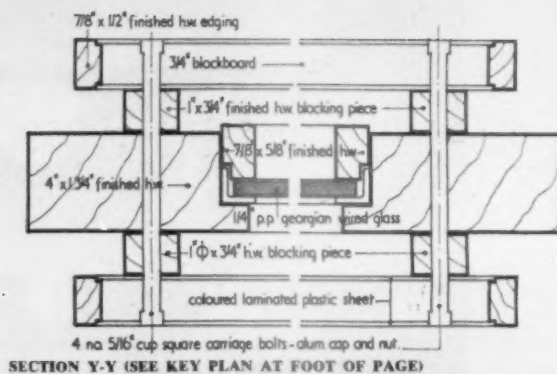
SECTION THROUGH
END OF PROPPED
CANTILEVER BEAM
SCALE : 1 IN=3 FT



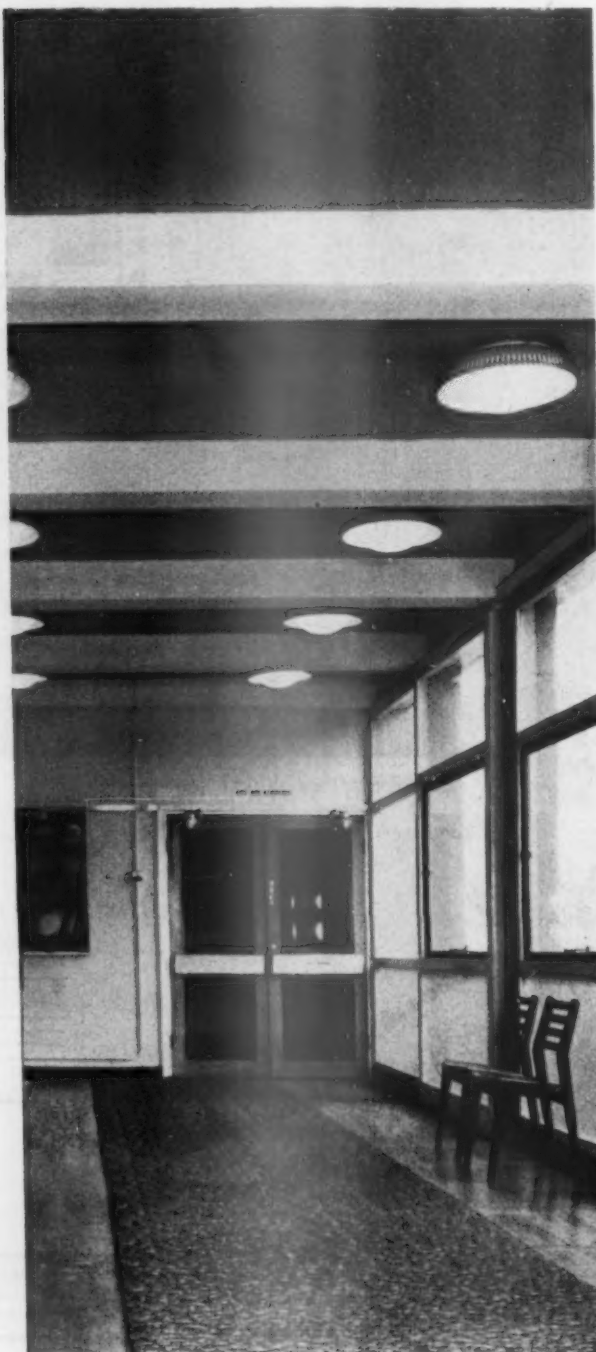
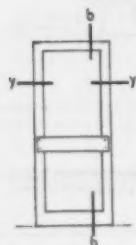
BENDING MOMENT
DIAGRAM
SUPERIMPOSED
ON OUTLINE
OF PROPPED
CANTILEVER BEAM



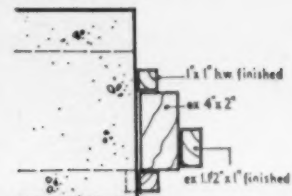
SCHOOL EQUIPMENT CENTRE



SCALE : 1 IN = 3 IN



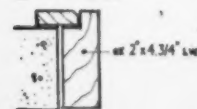
DOOR FRAME JUNCTIONS SCALE : 1 IN = 9 IN



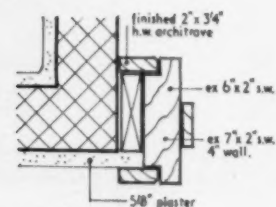
TO 6 IN AND 7 IN WALLS



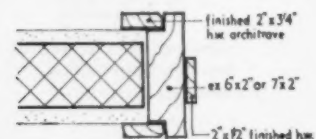
TO W.C.s



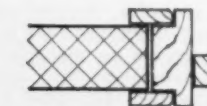
TO 4 1/2 IN WALLS



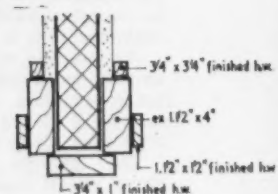
TO 3 IN AND 4 IN WALLS



TO 3 IN OR 4 IN WALLS



TO 3 IN UNPLASTERED WALLS



TO W.C.s (CENTRE PARTITION)

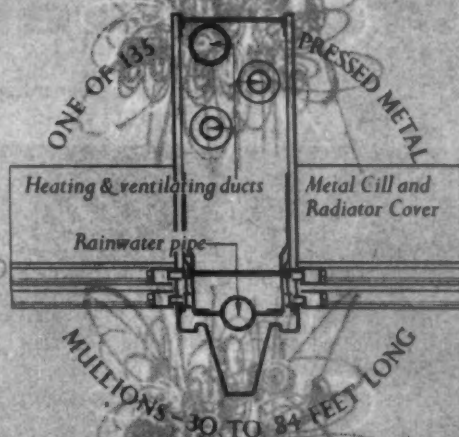
SANDERSON

NEW BUILDING, BERNERS STREET, LONDON, W.1

Slater and Uren, F.F.R.I.B.A., Architects

HOPE'S WINDOW WALL

with aluminium double hung sliding sash



HENRY HOPE & SONS LTD

Smethwick, Birmingham & 17 Berners St., London, W.1



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we'll specify—

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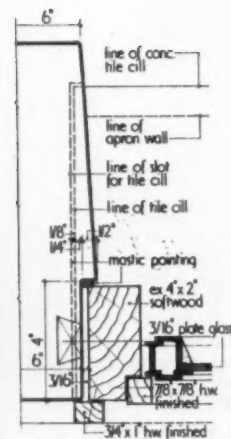
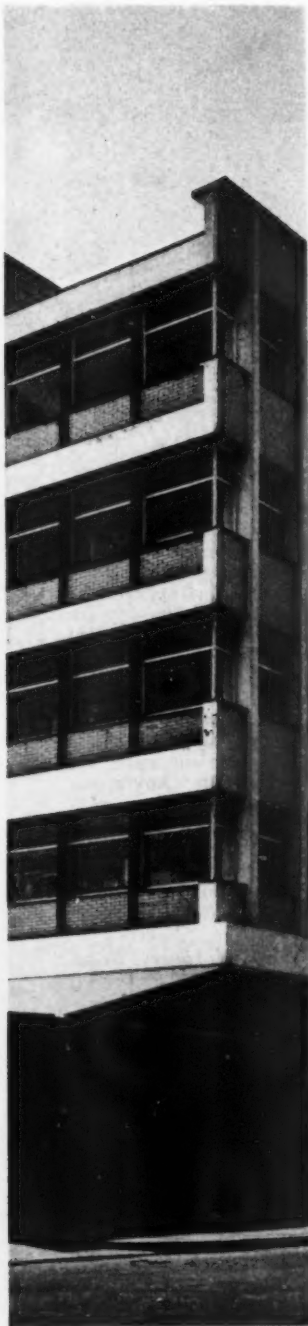
Erection by Specialist Contractors,
Messrs. Sundeala Board Co. Ltd.
Architects: Messrs. Farmer & Dark of Tufton St., S.W.1



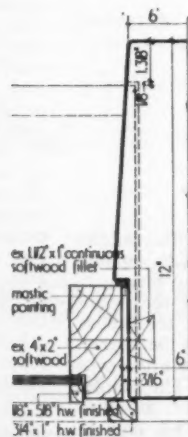
Board Processors Ltd

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Telephone: (WE 3) 4021 (7 lines)

CORNER WINDOW
JUNCTIONS

SECTION H-H TO MULLION



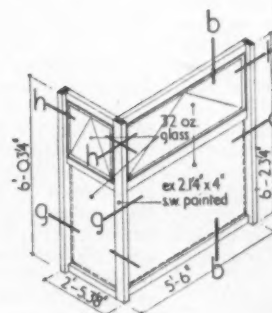
SECTION G-G TO MULLION

COST ANALYSIS OF CONTRACT PRICES

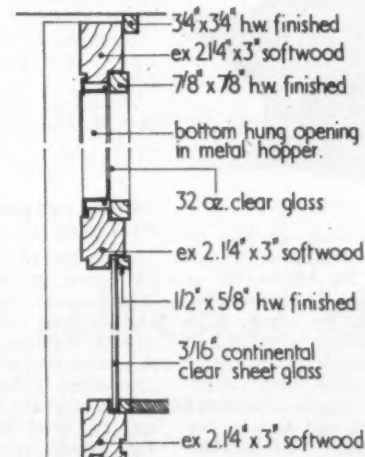
Tender date	29 April 1957
Work started date	August 1957
Work completed date	August 1958
Tender price accepted	£245,738
Highest tender price	£285,924
Lowest tender price	£245,738

	Total	%
Preliminaries and insurances ..	25,400	10.3
Foundations and carcass ..	147,650	60.1
Finishes	29,000	11.8
Installations	38,000	15.5
Lifts (including installation) ..	5,688	2.3

Total cost £245,738



KEY PLAN

SECTION B-B
THROUGH FRAME
SCALE: 1 IN=9 IN

General Contractors: WILSON, LOVATT & SONS LTD.

Sub-contractors and suppliers:

Acoustic Tiles: Asbestolux, Cape Asbestos Co. Ltd. Asbestos: Turners Asbestos Cement Co. Asphalt: Fraser Asphalt Co. Ltd. Cement Glaze Wall Finish: H. V. Robb. Constructional Steel—Reinforcing Mild Steel: Guest, Keen & Nettelfold; Stressing Wires: Richard Johnson & Nephew Ltd. Demountable Partitions: Clifford Partitioning Co. Ltd. Electrical Installation: Powerlite Electrical Installation Ltd. Entrance Gates (metal parts): T. W. Palmer & Co. (Merton Abbey) Ltd. Facing Bricks: Crowborough Brick Co.; Sevenoaks Brick Co. Fireproof Doors: Dreadnought Fireproof Doors (1930) Ltd. Flooring (main entrance): Hollis Bros. Ltd. Flush Doors: Wilson Lovatt & Son Ltd. Heating Sub-contract: J. Jeffreys & Co. Ltd. Ironmongery and Combustion Stove: Standard Range & Foundry Co. Ltd. Kitchen Cabinets (fifth floor): Austins of East Ham Ltd. Lifts: Express Lift Co. Metal Balustrading: G. A. Baker (Builders' Merchants) Ltd. Metal "Q" Decking (fifth floor): Robertson Thain Ltd. Metal Windows: Crittall Manufacturing Co. Ltd. Paint: Duresco Products Ltd.; Inertol (all chlorinated rubber-based paint); Cementone No. 7 (all existing boundary walls). Pre-cast Slab Panels, etc.: Tarmac (Slough) Ltd. Roof Lights (fifth floor only): Lucas Metal Working Co. Ltd. Sanitary Fittings: General Light Castings Ltd. Sprinkler Installation: The Automatic Sprinkler Co. Ltd. Tile and Terrazzo Work: J. Hyde & Co.

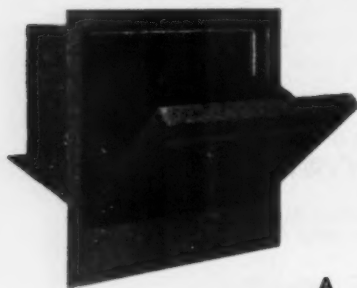
The corner window on the slab block. The windows are of softwood with hardwood beading. They are side-fixed to the mullions. Opening lights are in metal frames

NEW PRODUCTS

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements to existing ones. Any advantages claimed for a product are from information supplied by the manufacturer

New Refuse Hopper (A)

This company was invited by the British Standards Institute to co-operate on the revision of B.S. 1703: 1957—Refuse Chutes for Multi-storey Buildings. They have accordingly produced a new refuse hopper and since the British Institute specification will not be published for a while they are circularising the councils so that these bodies can take action if they so desire and thus anticipate the new specification. The new unit is self closing and self sealing and has no external projections of any kind. It is easy to clean and the underside is covered by a shield when the hopper is open. It is made of $\frac{1}{2}$ in mild steel and has an outside flange $1\frac{1}{2}$ in wide. The unit requires a hole in the brickwork for fixing which should measure



A

either 16in by 15in wide, or 16in by 12in wide. It is arranged to suit concrete, $4\frac{1}{2}$ in and 9in brickwork, or can be supplied in the True Flue unit. The seal is provided by means of a $\frac{1}{2}$ in asbestos rope which is bedded in a channel on the inside of the outer frame and carried three times round. It is protected from incoming materials by the top rail and by the walls of the channel. The asbestos should last for many years, but can be changed in a few minutes without the use of an adhesive, since a new seal is formed by closing the door firmly a few times. The inner shell can be removed for cleaning by loosening two screws. Price: 95s (painted one coat zinc chromate primer) or 109s (galvanized).

This company has also produced a self-locking coal hopper with an up-and-over door. This is also made from $\frac{1}{2}$ in mild steel and employs an outer frame of $1\frac{1}{2}$ in by $1\frac{1}{2}$ in by $\frac{1}{2}$ in angle and tee. It is made in two sizes, with apertures of 24in by 24in, and 24in by 20in wide, and these

require holes in brickwork of 25in by 25in, and 25in by 21in, respectively.

Metal Assemblies Ltd., 43 Bycullah Road, Enfield, Middlesex.

Readers' Information Service, Ref. A. Date 30/3/60.

★

Modified Lighting Fittings (B)

The Harlequin range of lighting fittings has recently been modified in order to do away with the dangers to flexibles for pendant fittings, which became apparent with the advent of higher wattage lamps in small envelopes. A special extension has been added to the grip, some two inches away from the lampholder and this is now standard on all pendants with P.V.C. flexibles. This obviates the risk of a clamp biting into a softened portion of the insulation and thereby causing a short circuit and also a possible fracture of the flex.

Troughton & Young (Lighting) Ltd., 143 Knightsbridge, London, S.W.1.

Readers' Information Service, Ref. B. Date 30/3/60.

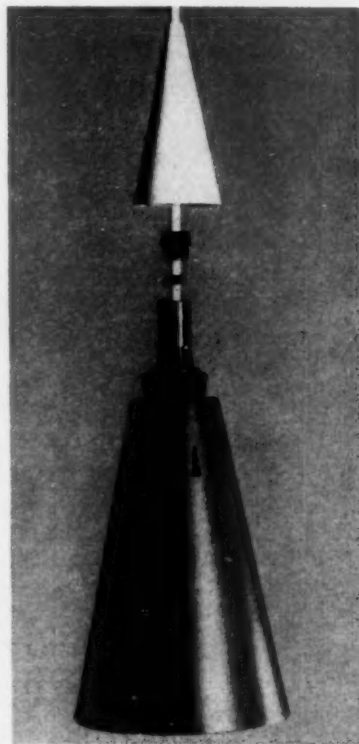
★

Thermoplastic Pipe Fittings (C)

A range of thermoplastic saddles has been produced which enables branches to be cement-welded to existing pipe lines without the necessity of breaking to insert tee pieces. A special tool also enables the branch connection to be made while the pipe system is under pressure. The saddles can be used with rubber modified high impact p.v.c. and a.b.s. pipe in sizes up to 6in and these are known as Durapipe V and Durapipe K, respectively. The saddles are suitable for unplasticised p.v.c. pipes and it is claimed that under test they have been proved satisfactory for the full pressures recommended for the Durapipe thermoplastic pipes. The range consists of saddles for 3in, 4in and 6in pipes with offtakes in the case of the 6in pipe for $1\frac{1}{2}$ in, $1\frac{1}{4}$ in and 1in branches, and in the case of the 4in and 3in pipe for $1\frac{1}{2}$ in and 1in branches.

Durapipe & Fittings Ltd., 56 Kingsway, London, W.C.2.

Readers' Information Service, Ref. C. Date 30/3/60.



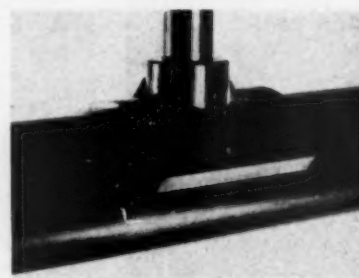
B

Dovetailing Machine

A larger, 18in version of the Arcoy standard dovetailer has been introduced. It is a more robust machine than the standard model and has been equipped with a multi-pitch bar which carries pitches of $\frac{1}{2}$ in, $\frac{1}{4}$ in, $\frac{1}{8}$ in and 1in, instead of the single pitch comb guide of the standard dovetailer. Timber of any combination of thicknesses between $\frac{1}{2}$ in and 1in, up to a maximum width of 18in can be used. Simple setting and accurate location of the timber eliminates the necessity of marking out. Any power tool of $\frac{1}{2}$ in or larger capacity is suitable for driving the cutterhead spindle. A self-motorized version can be supplied and a housing joint attachment will shortly be available. Price: £31 10s; cutters extra at 12s 6d each.

Arcoy Products, Knowsley Road, Bootle, Liverpool, 20.

Readers' Information Service, Ref. D. Date 30/3/60.



C



Being precise about drains

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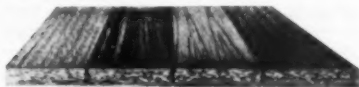
PROFESSIONAL & INDUSTRIAL PUBLISHING COMPANY LTD.

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NEW PRODUCTS (continued)

New Chipboard (E)

Corven is the name given to a chipboard of West German origin which is now available in this country. It is veneered on both sides in a wide selection of woods. Initially veneers of Sapele, Iroko, Makore and Limba are available. These veneers are on one side of the board, with mahogany veneer on the reverse side. The new board is intended for interior use only and should not be used where exposed to weather. It would appear to be suitable for use on interior walls, bar fittings, office equipment, table tops, furniture or display backgrounds. The surfaces are stated to be ready for polishing without special preparation or sanding. Corven can be worked with ordinary tools. The boards are sup-



E

plied ready wrapped in polythene sheet. Sheet sizes: 11ft 6in by 5ft 6in. Thicknesses: 10, 12, 15, 18 and 24 mm.

Williamson & Kay Ltd., Holme Street, Liverpool, 20.

Readers' Information Service, Ref. E. Date 30/3/60.

★

New Buildmaster Crane

An agreement has been reached under which Ruston-Bucyrus Ltd. of Lincoln are to manufacture Buildmaster cranes under licence for Abelson & Co. (Engineers) Ltd., who will however still be the sole sellers of these machines in the UK and the Commonwealth. Deliveries of the general production machines should commence in the spring of 1960. The initial machine being produced will be known as the Buildmaster 50R. It is a tower crane and can be supplied with a mast of up to 100ft in height and a jib of up to 98ft 6in in length. It will be capable of a lifting capacity equivalent to the weight of $\frac{1}{4}$ cu yd of concrete at maximum effective radius. It will be capable of a height of lift of 120ft under the hook at maximum radius, rising to about 190ft to 200ft at minimum radius. It is of the self-erecting rail mounted electric travelling type and is the first machine of this nature ever to be made in the U.K. An interesting feature is the fact that the new Stewarts and Lloyds hollow rectangular section tube has been used in the fabrication of the mast and the jib. By using this new section tube in conjunction with

standard round tube it is claimed that the mast and jib members will be sufficiently strengthened and that, at the same time, the projected wind surface area will be reduced by approximately 40 per cent. In addition to sales, service and spares of the new Buildmaster 50R will continue to be handled solely by Abelsons. Further details of the new machine can be obtained from the makers.

Abelson & Co. (Engineers) Ltd., Coventry Road, Sheldon, Birmingham, 26.

Ruston-Bucyrus Ltd., Excavator Works, Lincoln. Lincoln 640.

Readers' Information Service, Ref. F. Date 30/3/60.

★

New Safety Device

The Scala personal safety block is a new device for providing security to operators in high places. It contains 16ft of spring-loaded steel wire rope and is controlled by a braking device. It can be quickly fixed anywhere and has a locked hook for attaching to the workman's safety belt. The workman has complete freedom of movement and the rope is always taut. It is claimed that, in the event of a fall, the brake will operate and the man will be gently brought to a stop within 12in and supported. Price: £32 10s.

Neldco Processes Ltd., Crossway House, Bracknell, Berks. Bracknell 1789.

Readers' Information Service, Ref. G. Date 30/3/60.

★

Aladdin Oil Heater (H)

The latest Aladdin product is the Bialaddin radiant heater. It has a large polished reflector which radiates immediate heat throughout the room and provides a comfortable glowing appearance when in operation. It has three feet, two of which are adjustable in order to give maximum stability on uneven surfaces and has a maximum heat output of 9,000 B.Th.U./hr. It is claimed that $\frac{1}{2}$ gal of paraffin will give nine hours continuous burning at a cost of only $\frac{1}{4}$ d per hour. The guard of the heater is stated to be in accordance with British Standard requirements. Overall dimensions 18 $\frac{1}{2}$ in by 15 $\frac{1}{2}$ in by 15in, with a base of 12in. Finish: stove enamel, coffee colour.

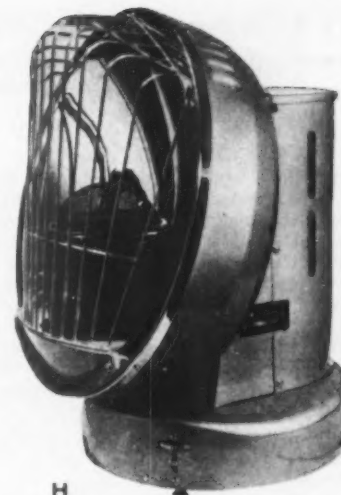
Aladdin Industries Ltd., Aladdin Building, Western Avenue, Greenford, Middlesex.

Readers' Information Service, Ref. H. Date 30/3/60.

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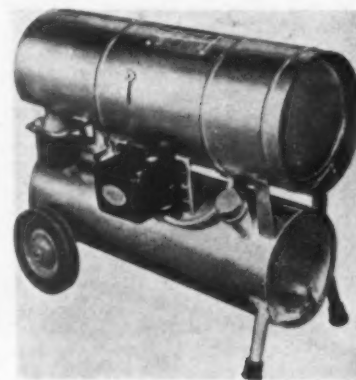
Portable Automatic Oil-fired Heater (I)

A range of portable oil-fired heaters, developed in the U.S.A., is now available in this country. It is hoped



H

that the new heaters will be found useful in the building industry for drying out new buildings and for defrosting materials, as well as for obvious uses in agriculture and space heating in industry. The smallest unit of the range, Model D30 (illustrated), is the first unit available and it has a heat output rating of 100,000 B.Th.U./hr and can be wheeled from one situation to another. Other models will shortly be available with capacities ranging up to 1,000,000 B.Th.U./hr. There is no exposed flame since this is completely contained in a Solar Glow flame filter which operates like a miner's lamp. The filter has openings of 0.018 sq in through which unburnt gases must pass. Automatic heat control is standard on all models of the range. The fuel tank is of heavy gauge electrically welded steel and is of tubular construction. The fuel, which may be either paraffin or furnace oil, is drawn from the storage tank by an oil pump and forced through the nozzle of the burner where it is atomized into a fine mist. This is then mixed with air and ignited by electrodes. The flame jet then passes through a special filter which is claimed to ensure complete combustion and a blower unit drives fresh air around the combustion chamber



I

NEW PRODUCTS (continued)

where it is heated and passed out as a clean heated air current in any required direction. Operation is by normal A.C. electric power supply and safety devices include thermostatic control and instant cut-off. Starting is automatic on the turn of an ignition switch. Model D30 has a fuel tank of 7gal capacity and consumes ½gal per hour. Overall measurements: 30in long by 25in high by 16in wide. Weight 78lb.

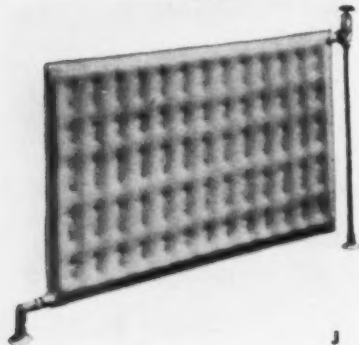
Contractors & Industrial Equipment Ltd., 31 Birmingham Street, Oldbury, Birmingham. Broadwell 2675.

Readers' Information Service, Ref. I. Date 30/3/60.

★

New Panel Radiators (J)

This company has introduced a new range of panel radiators. This range comprises two types, the "Straightline" with completely flat front surface and the "Wave-line" (illustration) which has both sides slightly dimpled. The design of these steel radiators is based on models which have proved most successful in Scandinavia and they are, in fact, only ½in thick. Because of this thinness, the radiators require little water circulating and so give out their heat more quickly. It is stated, that the honeycomb pattern of horizontal and vertical channels throughout the whole surface provides the greatest possible water circulation and temperature control. The complete range varies from 6in high to 36in, rising in 6in steps, with lengths varying between 3in and 9ft, whilst the standard range of 25 models includes radiators from 12in by 2ft 6in (5 sq ft of heating surface) to 30in by 7ft 7in (37½ sq ft of heating surface). They are supplied in a grey primer finish and pressed steel shelves are available as extras, with foam rubber seals between the shelves and the wall to reduce the risk of heat marks on the wall above the radiator. Another extra is a chromium plated towel rail



made in three sizes—which can be clipped on to either model. Standard range prices: from £1 14s 5d to £11 approximately.

Henry Wilson & Co. Ltd., Cornhill Works, Kirkby Trading Estate, Kirkby, Liverpool.

Readers' Information Service, Ref. J. Date 30/3/60.

★

Bell and Chimes Transformer (K)

A new transformer has recently been introduced which is suitable for bells and domestic chimes. It has been specially designed so that the terminal compartment permits the full diameters of t.r.s. and p.v.c. cable to be taken through a polythene bush into the transformer (illustration) or alternatively ½in conduit can be used, the end being located in the transformer by means of a standard brass bush. The interior is mounted on a black plastic base and the cover is sheet steel enamelled grey with hammer finish.

Gent & Co. Ltd., Faraday Works, Leicester. Leicester 36151.

Readers' Information Service, Ref. K. Date 30/3/60.

★

New Plan Printer (L)

The Triumph Reproduction unit is a new continuous plan printer and developer which has been added to the Arclight range of furniture and office equipment. The machine has a working width of 45in so that the full width of 42in sensitized material may be used. It will handle all types of material from lightweight airmail up to heavyweight paper and opaque cloth and is stated to be capable of printing at speeds of up to 30ft/min with a 3kW tube and approximately 18ft/min with a 2kW tube. It will deliver prints flat and dry of any length and in widths up to the maximum 42in. The machine is constructed of steel and incorporates double sided development, washing and cleaning of the developer unit, blanket control and tracking, stacking of any size of print up to 40in by 40in, constant level developer and voltage compensation within ±20V, all of which operations are automatic. Finish: stove enamel hammer grey. Overall dimensions: 6ft long by 4ft high by 6ft deep.

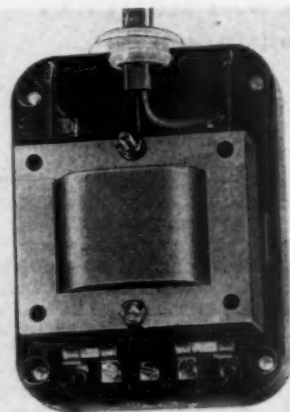
E. N. Mason & Sons Ltd., Arclight Works, Colchester, Essex.

Readers' Information Service, Ref. L. Date 30/3/60.

★

New Bitumen Paints

Premier Bitumen paints have been specially produced to provide wood, metal and asbestos surfaces with protection from the elements. They are guaranteed by the makers to be free from coal tar or pitch and to contain a high-class grade of bitumen



K

which ensures protection against brine, sulphur and water. They are produced in three grades: (a) standard black for application on guttering, stack pipes, piers, ships and any surfaces which are exposed to the elements; (b) heavy duty black for application where conditions are very severe; and (c) bitumen based aluminium paint, manufactured from high-class bitumen with the addition of aluminium to improve its appearance. Coverage: (a) and (b): 30 to 40yd per gal, and (c): 40 to 50yd per gal; this grade should be applied in two coats preferably by spraying. Approximate drying times: A—6 hours, B—1 to 2 hours and C—1 hour. These paints are supplied in five, ten and forty gallon drums. Another new product offered by the company is a range of coloured bituminous paints for providing attractive but serviceable coating for outside work. They contain vegetable oils, pigments and a bituminous resin and are claimed to provide protection against the elements. These paints should be applied by spray or brush at the rate of approximately 35 yards to the gallon. One, two or three coats may be applied according to circumstances. The drying time is approximately 6 to 8 hours and the colours available are green, grey and red. These paints are supplied in one, five or ten gallon drums.

Premier Bitumen & Asphalte Co. (1959) Ltd., Western Road, Bracknell, Berks. Bracknell 910.

Readers' Information Service, Ref. M. Date 30/3/60.



L

ISOLATION

ventilates built-up roofs

An entirely
new technique by
RUBEROID

Two innovations make Ruberoid Rubervent a built-up roof that is revolutionary in both design and effect: it *isolates* the weather-proofing from substructure surface hair cracks and *ventilates* the substructure so that vapour pressures may disperse through fully communicating spaces. Rubervent, using glass fibre based bitumen materials, is inorganic and inert. The first layer is coated on the underside with coarse mineral granules. These granules support it uniformly and isolate it from the substructure, thus allowing water vapour and gases to disperse over the entire roof area and ultimately to the exterior atmosphere. Any blistering which might otherwise result from this cause is prevented. All layers are bonded together and to the substructure simultaneously thus avoiding the risk of damp and dirt between the layers. Rubervent is based on the practical experience of associated Ruberoid companies in Europe.

UNDERSIDE VIEW

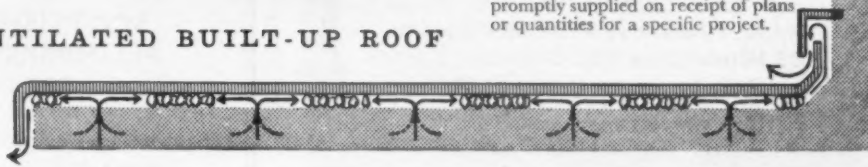
of Rubervent showing granule underside which allows dispersal of vapour to exterior, and the adhesion points which fix the entire specification to the substructure.

AUTOMATIC ADHESION

The Rubervent roof is fixed to the substructure by 'rivets' of bitumen the positions of which are determined during manufacture and not on site. This provides a rational system of adhesion points whilst maintaining substantial isolation from the substructure.

Rubervent

ISOLATED & VENTILATED BUILT-UP ROOF



For technical literature and model, write to

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C517

USFS For all substructures to which bitumen will bond, i.e. non-nailable materials — particularly insulating concretes.

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R.I.W.

LIQUID KONKERIT



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restored to its former glory. F.R.I.C.A.
This photograph was taken six years after treatment.*

for **PROOFING** plus **DECOR**

For the complete damp-proofing of exposed walls of concrete, stucco, brick, stone or other masonry surfaces, PLUS a most excellent decorative finish, use R.I.W. Liquid Konkerit. It sets dust-free in under six hours and will dry hard overnight in normal conditions. Available in a range of attractive gloss finishes, this R.I.W. material may be brushed or sprayed onto the surface to be proofed.

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CURRENT MARKET PRICES (LONDON)

These prices apply to material purchased in the quantities named or otherwise as might be expected for a new building of moderate size. They include delivery and are the material basis used in the build-up of "Measured Rates" and subject to the conditions heading that schedule. Prices are under careful constant review but should be confirmed.

30 March, 1960

AGGREGATES AND SAND

1½ in.—all in—ballast	26/6	Yard cube
¾ in. do. do.	27/-	delivered
¾ in. screened shingle	24/6	(in five-yard
¾ in. do. do.	25/9	loads or
¾ in. granite chippings	50/-	more)
Sharp washed sand	27/6	
Pit sand	24/6	
Building sand	24/-	
Broken brick	21/-	
1½ in. shingle	22/-	
Cartage of muck	10/-	

BUILDING MATERIALS AS DESCRIBED, CENTRAL LONDON

CEMENTS packed in paper bags	Per ton
Portland in 6ton lots	110/-
Do., from 1ton to 5ton 19cwt do.	122/-
Do., Rapid hardening (6ton lots)	120/6
Do. (but 1ton to 5ton 19cwt)	132/6
Cement "Aquacrete" (do.)	154/6
Do., "417" or "Polar" (do.)	154/6
Do., "White" 1ton (lots)	275/6

LIME—	134/6 (1ton loads) deliv'd
Hydrated .. including ..	132/- (2/3 do.) do.
White Bags ..	122/- (4/5 do.) do.
	120/- (6 do.) do.

PLASTER—

Keenes, coarse, pink	234/- ton
Do. do. white	239/- do.
Sirapite, do.	175/- do.
Do. finish	183/3 do.
Hardwall, do.	174/- do.
Plaster, coarse, pink	164/6 do.
Do. do. white	174/- do.
in Gypsum Plaster Lath ex works (600sq yds)	2/3½ sq yd.
in Do. do. Wallboard do.	2/6½ do.
¾ in Jute scrim (100yd roll)	9/8 each
Cow hair (under 3cwt)	61/3 ½ cwt

FIRECLAY—

In non-returnable bags (1ton lots)	213/- ton delivered
Fire cement	12/3 14lb

BRICKS

BACKING BRICKS (in truck loads)—

Flettons	118/- per 1,000 delivered
Do. Keyed	120/- do.
Do. bullnose	152/6 do.
Blue wirecuts (Net)	549/- do.
White	202/- do.
Southwater engineering (Class A)	400/6 do.
Firebricks—2½ in	95/9 per 100 delivered
Do. —3in	115/- do.

STOCK BRICKS—

Mild stocks	198/- per 1,000 at Works
Second, do.	281/- do.
First, do.	312/- do.
Add for delivery—approx. 55/- per 1,000 in lorry loads.	

FACINGS (ex truck or lorry)—

Rustics	150/- per 1,000 delivered
White	220/- do.
Blue pressed, 2½ in (Net)	617/- do.
Do. bullnose	636/- do.
Reds (Multi sand faced)	350/- do.
White glazed stretchers	1696/- do.
Do. headers	1670/- do.
Do. bullnose	2120/- do.
Do. double stretchers	2053/- do.
Do. double headers	2173/- do.
Breeze fixing bricks	30/3 per 100
Fire tile and lumps	34/- ft cube
Wall ties—8in by ½ in by ¾ in, galvanized	77/3 per cwt
Cement mortar (1 : 3) hand-made	99/6 yd cube

BRICKLAYERS' SUNDRIES—

AIR BRICKS	9 by 3in	9 by 6in	9 by 9in	12 by 9in
Iron .. each	2/5	3/11	5/10	7/10
Galvanized do. do.	4/1	6/9	10/2	13/7
Terra Cotta do. do.	1/2	2/4	5/7	11/1
Chimney pots, Terra Cotta (11 to 24) do.	1ft 8/7	2ft 14/11	3ft 34/1	4ft 58/11

PARTITIONS—

18in by 9in Blocks keyed for plastering			
Per yd super in 6ton lots	2in	2½ in	3in
In solid clinker including any half blocks	3/9	4/4	5/3
In cellular clinker blocks	3/11	4/7	5/3
In hollow clay blocks	—	4/5	5/5

Clinker blocks in small quantity .. 6/4 7/7 8/10
Intermediate quantities in all types may be had at intermediate prices.

Smooth in lieu of keyed faces extra cost per side 3d per yd super

SINKS—

Fireclay white glazed in and out—standard quality	24 by 18in	30 by 18in	30 by 20in
London pattern, no overflow,			
6in deep	76/6	95/-	105/6
Belfast, plain edge, 10in deep	90/6	151/3	204/3

FLUE, LININGS, PLAIN, CIRCULAR (FIRECLAY)—

	Foot lineal	Each
	Straight	Bends
9in diameter	4/8	14/-
10in do.	5/8	17/-
12in do.	10/9	32/9
9in diameter, beaded end, 12in high		6/3

FLUE PIPES AND FITTINGS—

	4in	5in	6in
Heavy asbestos type, 6ft length	18/6	25/6	32/6
Do. 3ft length	9/3	12/9	16/3
Do. bends	7/2	9/-	10/8
Light asbestos type, 6ft lengths	16/-	20/-	25/6
Do. 3ft length	8/-	10/-	12/9
Bends	5/7	7/1	8/8
Baffler	15/5	18/4	19/4

DRAINAGE GOODS

GLAZED STONEWARE STANDARD LIST (NOV., 1956)

	4in	6in	9in
ORDINARY TYPE—Each			
Pipes in 2ft lengths	3/4	5/-	9/-
Bends	5/-	7/6	20/3
Junctions (4in on 4in, 6in on 6in, 9in on 9in)	8/4	12/6	27/-
Gullies with 4in outlets	12/6	13/9	22/6
4in horizontal inlets	4/-	4/-	4/-
4in vertical do.	6/-	6/-	6/-
Black iron grids	1/6	2/10	5/6

Adjustment to Current Cost

	2ton lots or more	Less than 2ton lots
2in to 9in diameter "Best" pipes and fittings.	100 pieces or more	Under 100 pieces
Percentages to add —18½ %	Net	+5 %
Further percentages to be independently added in respect of:		
British Standard pipes, etc., 10. "Best" Tested pipes, 37½.		
British Standard Tested, 47½.		

IRON DRAINAGE GOODS—

	Each	4in	6in
Cast iron pipes, 9ft long		84/6	123/9
Do. 6ft do.		60/4	92/10
Do. 4ft do.		46/1	71/2
Do. 2ft do.		28/-	42/2
Short bend		19/-	50/7
Junction		33/8	70/6

CURRENT MARKET PRICES (Continued)

DRAINAGE GOODS—Continued

GULLEY PARTS—		4in	6in
Traps, high level, invert	..	33/8	91/4 each
Inlet, bellmouth pattern	..	17/8	35/7 do.
Do. with one vertical branch	..	31/-	58/2 do.
Do. with two do.	..	84/-	122/3 do.
Extra for sealed cover	..	10/8	13/10 do.

RAINWATER SHOES—		4in	6in
With vertical inlet and rebated top	..	44/1	87/9 each
Extension piece	..	19/4	23/3 do.
Flat loose coated grating	..	4/7	4/7 do.
Loose solid coated cover	..	6/2	6/2 do.

MANHOLE CHANNELS, WHITE GLAZED—

Each	4in	6in	9in
Straight, 2ft long	..	19/2	28/1 47/2
Taper, do.	..	31/11	31/11 48/5
Bends, main, half section	..	37/-	53/7 88/-
Do, branch, do	..	22/11	31/11 —
Do., do. three quarters, do.	..	31/11	51/- —
Junctions, single	..	30/7	53/7 —
Do., double	..	42/1	72/8 —

BROWN GLAZED CHANNELS—

Based on standard list (less than 100 pieces)

	4in	6in	9in
Half-round main channel (2ft long)	..	2/6	3/9 7/-
Extra for stop ends	..	2/6	3/9 6/9
Extra for outlets	..	5/-	7/6 —
Channel bends with splayed ends	..	7/6	11/3 —
Three-quarter section do.	..	10/-	15/- —

MANHOLE COVERS—

	Black
24 by 18in foot traffic	.. 29/3 each
Do. Strong do.	.. 53/9 do.
Do. Light car traffic	.. 95/3 do.
Do. Road traffic	.. 119/3 do.

SUNDRIES—

	Galvanized
Manhole steps (for 9in)	.. 9/4 each
4in Mica valve fresh air inlets	.. 16/- do.
Plumber's hemp	.. 9/- per lb
Gaskin, caulking	.. 1/5 1/2 do.
Canvas backed hair felt, 4in wide	.. 9d per ft run

ROOFING MATERIALS

WELSH SLATES (delivered)—

Sizes in inches	Full Loads	Quantity 500 to 999	1 to 49
22 by 11	..	per 1,000 2246/-	per 100 265/- 39/-
20 by 10	..	2021/6	237/6 35/-
18 by 10	..	1413/-	164/6 24/3
16 by 10	..	1120/-	131/- 19/3
14 by 9	Damp Course	668/-	70/9 10/6
14 by 4 1/2	..	328/-	31/- 4/9

TILES (Brosley and Staffordshire)—

	per 1,000	per 100
10 1/2 in by 6 1/2 in Machine made, 6 ton lots	302/6	44/9
Do., hand made, sand faced (Berks red)	327/-	58/-
Hips, valleys and angles	36/3 per dozen	—
Plain concrete tiles	per 1,000 210/6	per 100 25/6

Sheeting asbestos corrugated, 6in pitch	..	8/3 1/2 yd super
4 1/2 in by 16 gauge, drive screws (galvanized)	..	17/9 gross
7 1/2 in by 1/2 hook bolts and nuts (do.)	..	57/9 do.
Washers, round, flat galvanized	..	4/10 do.
Do. do. bituminous	..	2/- do.

ROOFING FELT—

Sanded bitumen felt (44lb)	..	1/1 yd super
Do., but 60lb in weight	..	1/7 do.
Inodorous felt, best quality	..	2/11 do.
Do., second quality	..	2/3 do.
Underlining	..	1/8 do.
Sheathing	..	1/8 do.
Galvanized felting nails	..	2/4 lb

THERMAL INSULATION—

1/2 in Insulating Gypsum Baseboard (600sq yds)	..	2/9 sq yd
1/2 in Do. Do. Lath do.	..	2/9 do.
1/2 in Do. Do. Wallboard do.	..	3/- do
1/2 in Asbestos (Fully-compressed) Sheet	..	8/4 do.
1/2 in Insulating Cork Slabs	..	7/6 do.
Silicate Cotton (2ton lots)	..	1/6 ft cube

STONE

Free on rail London
 Monks Park 9/9 St. Aldhelm 11/- average in blocks of 17ft cu
 Portland brown Whitbed 9/4 average in blocks of 25ft cu
 Doulling 10/4 Beer 10/-

TIMBER

Softwood—sawn—random lengths.	Per standard	Per cubic ft
Carcassing quality	£105	12/8
Joinery quality	£125 and up	13/4
Plain edged unsorting flooring	1 1/2 in 110/-	1 1/2 in 138/-
per square	90/-	165/-
1/2 in Hardboard 4/1 sq yd.	..	..
Larger quantities cost less.	..	..

SUNDRIES—

	Dia.	3in	6in	9in
Black hexagon bolts, nuts and washers. Each	1 1/2 in 1/4	1 1/2 in 1/3	1 1/2 in 2/5	1 1/2 in 3/1
Sashline hemp, good quality	..	No. 6 10d	No. 8 1 1/2	No. 10 1 1/2
Per yd Run	..	..	..	..
Floor brads	..	..	..	..
Cut Clasp Nails	..	..	..	..
Steel ordinary screws	1 in No. 8 3/8	2 in No. 8 6/3	..	..
Brass, do.	Do. 10/2	Do. 17/11	..	..

HARDWOOD. Normal joinery quality.

	Square edge	Per ft cube
Mahogany, African	..	30/-
do. Honduras	..	66/-
Teak, Burma and Siam	..	78/-
Walnut, Australian	..	84/-
Oak, English	..	42/-
do. Yugoslavian	..	47/6
Walnut, African	..	25/-

BUILDING BOARDS

Description	Rate	Unit
16mm Birch blockboard	208/-	Per 100ft
22mm do. do.	255/-	..
Austrian Mahogany faced one side, blockboard 18mm thick	367/-	super,
Austrian figured Oak faced one side, blockboard 19mm thick	414/-	but
Beech, 6mm plywood	109/-	from one board
Birch, do. do.	82/-	..
Do. 9mm do. do.	117/-	up to
Teak faced one side, plywood 6mm thick	397/-	a
Austrian figured Oak one side, 6mm	222/-	bundle
Australian do. Walnut do. do. 1/2 in	296/-	..

IRONMONGERY

	2in	3in	4in	5in	6in
Cast iron Butts, per pair	1/4 1/2	2/4	3/7	6/11	9/8
Hinges, spring, single action regulating, japanned, each	..	8/3	12/9	16/9	22/3
Do. but double action spring only, each	..	17/6	22/3	21/-	35/9
Do. blank only, each	..	10/3	14/-	28/-	24/3

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* The Thermal Insulation (Industrial Buildings) Act 1957

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Please send me technical details and a sample of your Celotex Flame Resistant Insulating Board. I am also interested in bevelled panels.

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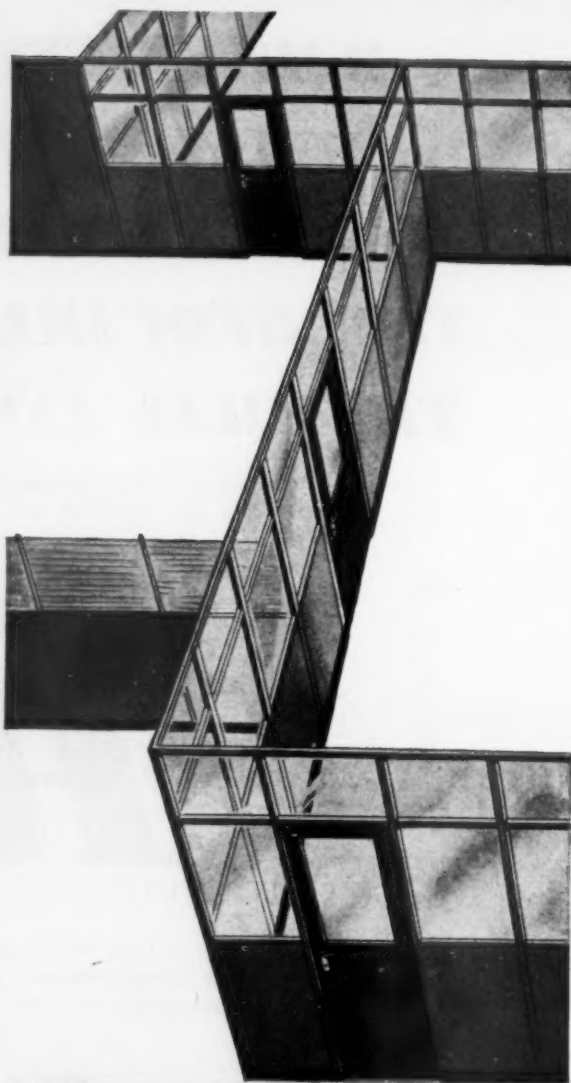
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Industries Research Association.



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DESIGN Milner Steel Partitioning is unit constructed. It is easily transferable, sound and fire-resistant, and—above all—good looking.

CONSTRUCT The ready-made units of differing shapes and sizes can be combined in a great variety of ways. This enables our office partitioning to be "tailored" to suit particular requirements.

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ERECT Our own lorries bring the necessary units direct to the site. Highly skilled erection gangs assemble them quickly and efficiently.

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Branches at: Birmingham,
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CURRENT MARKET PRICES (Continued)

IRONMONGERY—Continued					
	12in	18in	24in	30in	36in
Tee hinges (japanned)					
per pair	2/-	3/10	—	—	—
Do., but stronger, per pair	3/4	6/1	8/3	—	—
Hook and Ride hinges, per pair	—	—	13/4	16/3	24/10
BOLTS—each—	3in	4in	6in	8in	10in 12in
Cabinet, barrel, straight or necked	1/6½	1/9½	2/5	—	—
Square spring, with brass knob	1/6½	1/10	2/5	—	—
Tower bolts	—	2/1	2/11	3/11	4/10 5/8
Barrel bolts	—	3/1	4/5	5/9	7/5 9/-
Add to Tower or Barrel bolts if necked	8d	8d	1/1	1/1	1/1
LOCKS—each—					
Rim lock, 2 lever, wrote case, brass bolt and bushing	12/9		Brass furniture	5/-	
			or Bakelite do.	3/3	
Mortice lock, 2 lever, bushed	12/9		Bakelite finger-plates	2/8	
			Brass furniture	8/9	
			or Bakelite do.	3/10	
Cylinder latches, japanned case				16/-	
Brass sash fastener				each 5/-	
Casement fasteners (malleable)				do. 1/7	
Do, stays (do.)				do. 2/2	
Axle pulleys (brass face, iron wheel) 1½in				do. 3/3	
Do. as last, but with brass wheel 1½in				do. 4/11	
Sash line, No. 8 Anchor, yellow label				per yard 1/-	

METAL GOODS

British rolled steel joists ex mills to basis sections on site (6in by 5in, 8in by 5in or 6in, and 10in or 12in by 6in) .. £42/10/0 per ton

Extra cost over basis for following sections—

9in or 18in by 7in, 14in by 5½in, 15in by 5in, 14in or 15in or 16in or 18in by 6in, 20in by 6½in, 20in by 7½in, 10in by 12in or 14in or 18in by 8in	10/-	per ton
5in by 4½in, 7in by 3½in, 13in by 5in	15/-	do.
12in by 5in, 22in by 7in	20/-	do.
6in by 4½in, 7in or 8in or 9in by 4in, 10in by 5in	25/-	do.
4in by 3in, 10in by 4½in	30/-	do.
5in by 2½in, 5in by 3in	35/-	do.
6in by 3in, 24in by 7½in	40/-	do.
3in by 3in	50/-	do.
4½in by 1½in	65/-	do.
3in by 1½in, 4in by 1½in	70/-	do.
lin mild steel reinforcing rods ex mill d/d	£41/0/0	do.

Extras per ton

½in or ¾in diameter in size	15/-	per ton
¾in	30/-	do.
1in	62/6	do.
1½in	92/6	do.
2in	132/6	do.
2½in	172/6	do.

Extras for length

5ft to 3ft	7/6	do.
3ft to 2ft	15/-	do.
2ft	22/6	do.
40ft to 45ft	15/-	do.
45ft to 50ft	22/5	do.
Bolt and Nuts	112/-	per cwt
Trench covering, including trays 1½in deep and rebated frames, 9in wide	25/-	foot run
Do., but 12in wide	27/-	do.
Do., but 14in wide	30/-	do.
Do., but 18in wide	39/-	do.

METAL SUNDRIES

Cast iron pavement lights with 4in by 3in prism and convex lenses in alternate rows	33/-	per ft super
Iron single fire doors, panelled both sides, pivot hung and self closing, to angle frame rebated and lugged, to meet fire regulations	54/-	do.
24 gauge galvanized Tallboy 6ft high, 9in diameter with 9in by 12in base	55/-	each

CHAIN LINK FENCING—

In 25 yards lineal rolls inclusive of line wire.

	Height in inches—				
2in mesh	36	42	48	60	72
10½in wire gauge	129/-	150/6	172/-	215/6	258/3
12½ do.	90/-	104/9	119/9	149/9	179/9
14½ do.	62/9	73/6	83/6	104/9	125/6

DOUBLE SOOT DOORS AND FRAMES—

Fitted with brass turn-buckle and cast key	9in by 9in	12in by 9in	14in by 12in
	21/6	31/3	54/-

SLIDING DOORS, GATES AND PARTITIONS—

Factory sliding doors in two leaves containing about 100sq ft with mild steel angle frames covered with 24 gauge corrugated galvanized sheeting and including hanging tubular track and gear complete	18/6	ft super
Factory entrance gates with mild steel frames clad with 2in mesh chain link complete	16/6	do.

STEEL ROOF LIGHTS—

In Skylights and Lanterns, Standard type with puttyless glazing, lead flashings, and ½in rough cast glass; in the case of Lanterns 18in vertical sashed sides are provided in addition.

Size at Base	6ft by 4ft	8ft by 6ft	10ft by 8ft
Skylights	£35 5	£50 10	£69 10
Lanterns	£55	£76 5	£110

HIGH GRADE DOMESTIC BOILERS—

Coke Fed. Performance 20 to 40 gallons raised from 40F to 140°F per hour as under.

TYPE		£	s.	d.
20 gallons per hour				
15in wide, 23in high	Enamel finish	11	10	0
25 gallons per hour				
17in wide, 26in high	Do. Grey Mottle	20	10	0
	Do. Cream Mottle	22	0	0
40 Gallons per hour				
22in wide, 30in high	Do. Cream Mottle	38	0	0

GAS, WATER AND STEAM TUBES

BASIC PRICES

Internal Diameter—	½in & ¾in	1in	1½in	2in	2½in	3in	4in	5in	6in
Tubes per ft	9½d	10d	1/-	1/2½	1/9	2/3	2/8	3/9	3/9
Bends each	1/7	1/9	2/-	2/6	3/8	5/5	6/2	10/7	10/7
Elbows, sq. do.	1/8	1/10	2/2	2/6	3/-	4/4	5/2	8/6	8/6
Do., round do.	1/10	2/-	2/4	2/10	3/4	4/8	5/8	9/4	9/4
Tees	2/-	2/2	2/6	3/2	3/8	5/-	6/2	10/2	10/2
Crosses	4/4	4/8	5/6	6/6	8/2	11/-	13/2	21/-	21/-
Backnuts	4d	4d	6d	7d	10d	1/-	1/4	2/2	2/2
Sockets	6d	6d	8d	10d	1/-	1/4	1/9	2/6	2/6
dimin.	8d	10d	1/-	1/2	1/6	2/-	2/8	4/-	4/-

EX. STOCK IN ORDERS OF £10 OR MORE

DISCOUNTS OFF BASIC LIST.

TUBE—

Black		Galvanized
Medium (Blue)—35%		Medium—25%
Heavy (Red)—25%		Heavy—15%

FITTINGS—

Black		Galvanized
Heavy—10%		Heavy—2½%

RAINWATER GOODS (Painted or Unpainted)

In consignments of 5cwt and over

From Standard List

Pipe:	2in	3in	4in	5in	6in
6ft lengths	each	12/10	14/5	18/11	24/8 31/6
3ft do.	do.	7/-	7/9	10/-	13/1 16/6
Shoe, ordinary	do.	2/7	3/10	5/7	9/5 12/11
Bend	do.	3/1	4/4	6/4	11/3 14/7
Branch, single	do.	4/6	6/7	9/3	14/7 22/6
Offset, 4½in	do.	3/9	5/3	7/9	12/11 17/-
Do. 9in	do.	4/11	6/6	9/8	15/3 19/3
H.R. gutter, 6ft length	do.	—	6/-	8/5	10/4 13/10
Angle or nozzle	do.	—	2/6	3/1	3/9 5/4
Stop end	do.	—	9d	1/1	1/6 1/9
					Above plus 22½%

CURRENT MARKET PRICES (Continued)

PLASTERING MATERIALS

Sand, lime, cement and various plasters are previously included under those heads—			
Metal lathing (½ in by 24G) (20 yards) ..	4/-	sq yard	
Plaster baseboard ½ in (1,200 yards) ex works ..	2/2½	do.	
Lath nails, galvanized ..	1/6	lb	
White glazed tiles (6 in by 6 in by ½ in) ..	25/-	sq yard	
Do. rounded on one edge ..	32/9	do.	
Do. on two adjoining edges ..	36/3	do.	

PLUMBER'S GOODS

4lb lead sheet (in 1-ton lots) ..	112/9	per cwt	
Lead water pipe in coils (do.) ..	115/-	do.	
Plumber's solder ..	3/7	lb	
Copper tacks ..	8/5	do.	

IRON SOIL AND WASTE PIPE. (Scwt lots and up)

each	2in	3in	3½in	4in
½ in Medium pipe, 6ft length ..	14/6	17/2	19/3	21/11
Do., 4ft length ..	10/5	12/2	13/7	15/5
Bends ..	5/4	6/6	8/1	9/1
Do., with oval door ..	17/4	18/6	21/1	24/7
Junction, single ..	6/6	9/8	11/3	13/3
Do., with oval door ..	18/6	21/8	24/3	26/3
Swan necks, 4½ in ..	6/6	10/3	11/9	13/9
Do., 9in ..	8/8	11/9	13/9	16/1
Holderbat, 2½ in projection ..	5/9	5/11	6/3	6/4

Above plus 22½ %

GALVANIZED CISTERNS, TANKS AND CYLINDERS—(Less than three)

each	gallons			
CISTERNS	Nominal capacity			
Bends over tops and corner plates. Riveted or welded	100	150	200	300
14 gauge ..	162/-	246/-	309/-	427/-
12 gauge ..	197/-	305/-	360/-	485/-
½ in plate ..	225/-	356/-	418/-	568/-

HOT WATER TANKS

Riveted and with hand hole and ring	20	25	30	40
12 gauge ..	147/-	151/-	164/-	190/-
½ in plate ..	161/-	168/-	184/-	211/-

HOT WATER CYLINDERS—

Riveted, with hand hole and ring	20	25	33	39
12in gauge ..	167/-	182/-	203/-	219/-
½ in plate ..	180/-	200/-	224/-	240/-

PLUMBER'S BRASSWORK, etc.

Each	½ in	¾ in	1in	1½ in
Boiler screws, single nut	1/7	2/1	3/4½	5/9
Do., double nut ..	2/3	2/10	5/4	7/6
Cap and lining ..	1/2	1/7	1/11	2/1
Plumber's unions ..	2/5	3/-	4/1	7/3
Ball valves, screwed iron	13/11	21/9	—	—
Do., fly nut and union ..	14/11	23/3	—	—
Bib valves, crutch top screwed iron ..	8/6	12/6	—	—
Do., but screwed boss ..	9/8	14/2	—	—
Stop valves, screwed iron ..	7/6	10/3	—	—
Do., screwed iron and union	9/3	13/6	27/9	—
Do., double union ..	10/6	15/-	30/-	—
Waste, plug chain and stay	—	—	8/6	9/6
Caps and screws ..	1½ in	1½ in	2in	4in
Sleeves, long ..	4/6	5/6	7/-	—
Do., short ..	—	—	7/6	10/10
Thimble ..	—	4/-	4/2	8/4
Full way gate valves, hot pressed ..	—	3/9	4/10	10/4
Lead 7lb P. trap ..	21/-	29/3	—	—
Do., S. trap ..	—	1½ in	1½ in	2in
Lead 6lb P. traps with 3in seal	—	6/11	9/-	12/8
Do., but S. traps, do. ..	—	8/5	11/1	15/7
Wire balloon guards, copper, 2in, 2/7; 4in 4/4	—	7/8	9/3	—
Do., galvanized iron, 2in 1/4; 4in 1/8	—	9/6	11/7	—
Hair felt 34in by 20in, 24oz, 6/- sheet	—	—	—	—
Boss white jointing compound, 2/3lb	—	—	—	—
Gasket 1/10½ lb. Hemp, 9/-lb.	—	—	—	—

COPPER TUBES—Extract from B.S. 659/1955—

Nominal bore	Internal work (semi-hard)	Outside diameter	Gauge	Weight lb per ft	3cwt lots	Price per lb pence	Price per ft pence
½ in	0.596	19	0.27	44½	12.02		
¾ in	0.846	19	0.39	42½	16.68		
1in	1.112	18	0.62	41½	25.58		
1½ in	1.362	18	0.76	40½	30.88		
2in	1.612	18	0.91	40½	36.98		
2½ in	2.128	17	1.40	42½	59.15		

CAPILLARY TYPE CONNECTIONS—

Add for delivery and packing on orders under £10.

All ends copper to copper

Each	½ in	¾ in	1in	1½ in	2in
Straight ..	1/5½	1/10½	2/10½	4/0½	11/6½
Elbow ..	3/4	4/1½	5/6½	8/7½	13/11½
Tees ..	4/1½	4/8	6/9½	11/3½	19/4½
Brackets (Brass) ..	2/10½	3/5	3/10½	4/0½	7/6½

GLASS

English, flat drawn sheet glass cut to sizes in squares	24oz	26oz	32oz
Figured rolled, white cut to sizes, in squares (½ in)	11½d	1/2½	1/6½
Ditto, but in standard tints ..	1/2½	Per ft super	
½ in Rolled, cut to size, in squares ..	1/8½	do.	
½ in rough cast do. ..	2/1½	do.	
½ in do. wired do. ..	1/2½	do.	
Georgian wired do. ..	1/5½	do.	
Fluted (No. 1) do. ..	1/9½	do.	
— in Reeded ..	1/8½	do.	
½ in Reedlite (narrow and broad) do. ..	2/4½d	do.	
Spotlyte do. ..	1/7½	do.	
½ in Calorex Cast do. ..	1/7½	do.	
Flashed Opal (15/18oz) up to 1ft super	1/8	do.	
do do. over 1ft super	4/2	do.	
Pot Opal (15/18oz) up to 1ft super	5/-	do.	
do do. over 1ft super	4/2	do.	

POLISHED PLATE GLASS (Tariff) Cut to sizes.

Ordinary substance ½ in and ¾ in thick.	Per Superficial ft	General Glazing
In plates not exceeding:		
2ft super in each ..	4/7	
5ft do. ..	5/7	
45ft do. (unless extra sizes) ..	6/9	
100ft do. (do.) ..	7/4	
Extra sizes, i.e., Plates exceeding 100ft super or 160in one way or 96in both ways at higher prices.		

DECORATING MATERIAL

	Price	Unit
Aluminium Paint ..	42/-	Gallon
Distemper, ceiling ..	39/-	Cwt
Distemper, washable ..	120/-	do.
Enamel (eggshell) ..	52/-	Gallon
Gold Metallic Paint ..	79/-	do.
Heat Resisting Paint ..	40/-	do.
Japan, black ..	35/-	do.
Knotting ..	40/-	do.
Linseed Oil (5gal) ..	15/3	do.
Boiled, do. (do.) ..	16/-	do.
Proprietary Paints (good class)—		
Finishing ..	57/6	do.
Priming (lead base) ..	57/6	do.
Undercoat ..	59/-	do.
Paperhanger's Paste ..	36/6	Cwt
Petrifying liquid ..	9/6	Gallon
Putty ..	52/6	Cwt
Size ..	12/3	Firkin
Terebinte ..	22/-	Gallon
Turpentine substitute ..	6/5	do.
Varnish, oak, copal inside use	39/-	do.
Do., do., outside use ..	41/-	do.
Do., white, eggshell, flat ..	50/-	do.
White lead mixed paint ..	66/6	do.
White lead ..	187/6	Cwt
Whiting ..	13/3	do.



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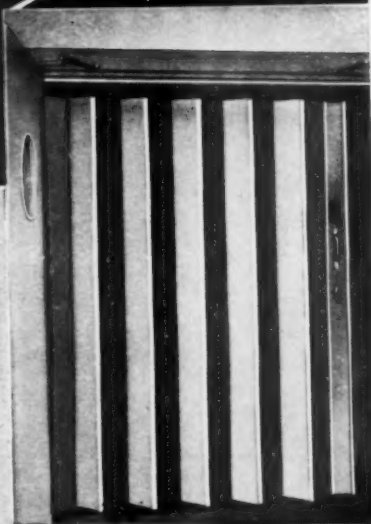
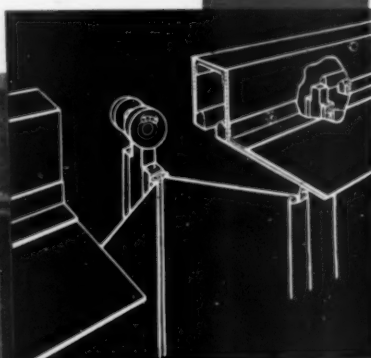


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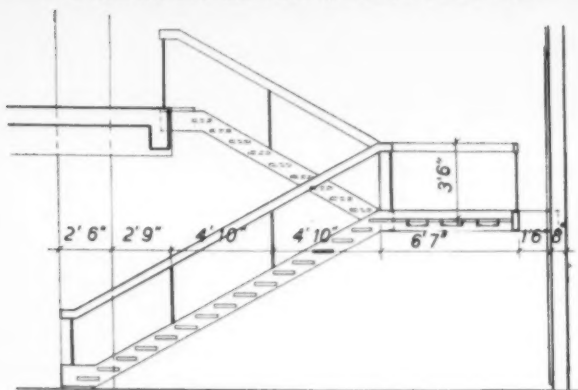


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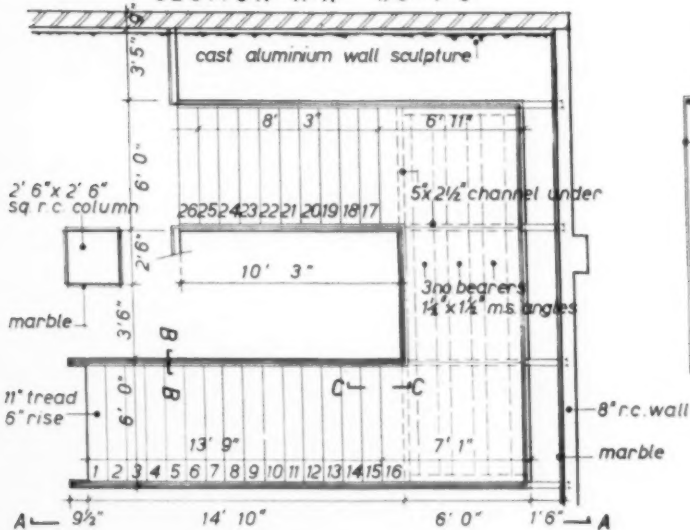
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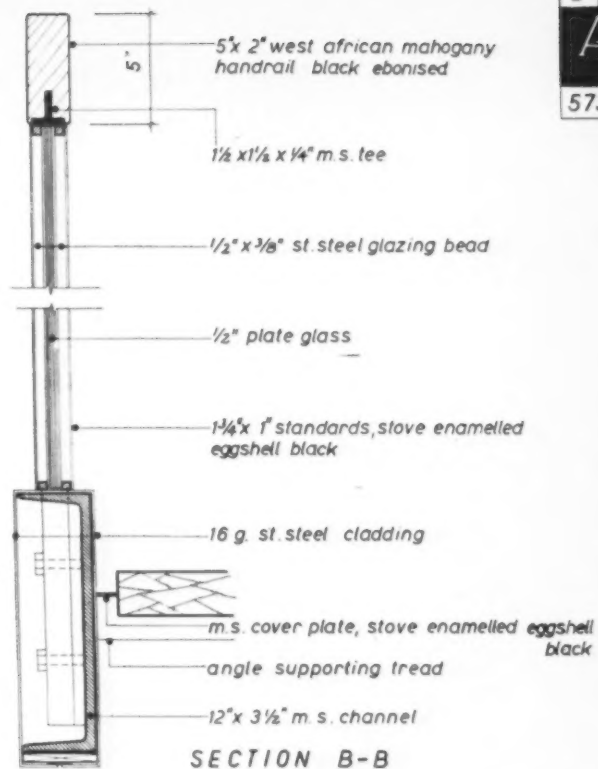
SECTION A-A 1/8" = 1' 0"



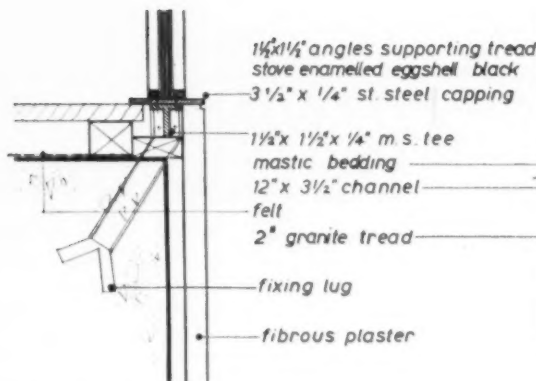
PLAN 1/8" = 1' 0"

SECTION THRU' LANDING

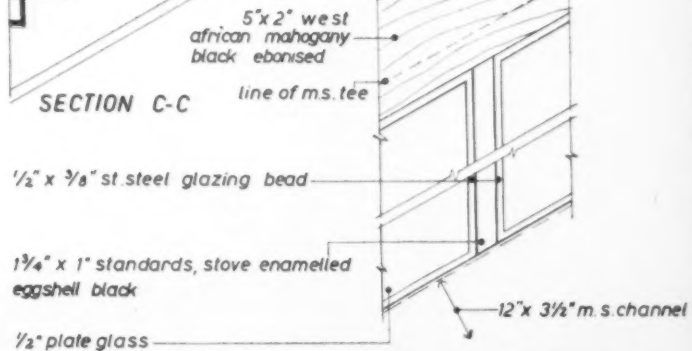
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SECTION B-B



SECTION C-C



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for small bore heating



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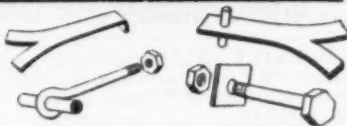
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CONTRACT NEWS

OPEN

BUILDING

CAMBRIDGE C.C. (a) Erection of (1) Indoor swimming pool hall, 180ft by 83ft by 30ft high containing two pools. Public gallery seating 700 persons. Café and kitchen, and basement for plant; (2) Main entrance hall and changing room wings in one storey, overall area 9,000 sq ft; (3) Detached house for pool superintendent. Site works include roads, paths, car park, drainage, fencing, etc. The contract involves considerable excavations, etc., mass and reinforced concrete, steel frame superstructure and engineering services. Work expected to begin in late September. Contract period two years. (b) City Surveyor, The Guildhall. (c) April 4. (e) July 7. Before a final list is made, contractors applying for inclusion will be asked to supply details of their organizations and experience.

CARLISLE C.C. (a) Erection of 100 dwellings on the Morton estate. (b) City Surveyor, 18 Fisher Street, Carlisle. (e) April 11.

CHELMSFORD B.C. (a) Erection of a new livestock market, phase two, comprising structural design based on architect's drawings. Erection and completion of covered accommodation 200ft by 160ft comprising a hyperbolic shell concrete roof supported on reinforced concrete framework. Ancillary works will be undertaken by nominated sub-contractors. (b) Borough Engineer and Surveyor, Municipal Offices, Coval Lane. (c) 2gn. (e) April 22.

CROSBY B.C. (a) Erection of slipper baths at Church Road, Seaforth. (b) Borough Engineer and Surveyor, Town Hall, Waterloo, Liverpool. 22. (e) April 12.

CROYDON B.C. (a) Erection of a community hall at New Addington, comprising three craft rooms and small hall. (b) Borough Engineer, Town Hall. (e) April 14.

DEVON C.C. (a) Erection of two additional classrooms at Chudleigh C. of E. school. (b) County Architect, 97 Heavitree Road, Exeter. (c) 2gn.

DEWSBURY B.C. (a) Erection of boundary walls at various council estates. (b) Borough Architect and Building Surveyor, Town Hall. (e) April 4.

DOWN C.C. (a) Erection and completion of a new technical intermediate school at Banbridge. (b) McCarthy & Lilburn, 2 Wellington Place, Belfast, 1. (c) 5gn. (e) April 7.

DUNDEE HARBOUR TRUST. (a) Construction of a transit shed and offices at Queen Elizabeth Wharf at Dundee Harbour. The shed is to be of single span and 100ft by 23½ft clear height under roof trusses. (b) General Manager and Engineer, Harbour Chambers, Dock Street. (e) April 15.

address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked * are given in the advertisement section.



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EDINBURGH, 2: 2 North West Circus Place. Tel. Caledonian 2095

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ELLESMERE PORT B.C. (a) Contract 277. Construction of 155 houses, 55 bungalows and 152 brick garages at North Whitby housing estate, part 4, including all ancillary works. (b) Borough Engineer and Surveyor, Queen Street, Ellesmere Port. (c) April 11.

GOSPORT B.C. (a) Erection of two public conveniences: (1) At Lee-on-Solent recreation ground; (2) Stanley Park, Gosport. Each having 300 super ft, brick construction with r.c. roof. (b) Borough Engineer, The Hall, Haslar Road, Gosport. (c) 2gn.

KIDDERMINSTER B.C. (a) Fixed-price tenders for erection of a public convenience and attendant works at Mill Street. (b) Borough Engineer and Surveyor, 110 Mill Street. (c) 2gn. (e) April 4.

LUTON B.C. (a) Erection of a block of six classrooms at Challney C.S.M. school. (b) Borough Architect, Town Hall. (c) April 11.

MERTHYR TYDFIL B.C. (a) Erection of 80 traditional type garages at Gurnes estate. (b) Borough Architect, Town Hall. (c) 2gn. (e) April 1.

NANTWICH R.C. (a) Erection of one block of four bungalows at Park Road, Willaston. (b) Engineer and Surveyor, Stapeley House, Nantwich, Cheshire. (c) 2gn. (e) April 4. (a) Erection of public conveniences at corner of Moorfields and Willaston Road. Documents and particulars as above.

NEWCASTLE-UNDER-LYME B.C. (a) Erection of Cross Heath Church of England Replacement School, comprising principally an assembly hall, kitchen staff accommodation and three classrooms. Construction is of cross walls with timber roof with timber windows. (b) Borough Surveyor, Lancaster Building, High Street, Newcastle, Staffs. (c) 2gn. (d) April 4.

ORMSKIRK U.C. (a) Erection of 16 houses. (b) Surveyor, Council Offices, Burscough Street. (c) 2gn. (e) April 14.

RUGBY B.C. (a) Construction of a brick pump-house and office at Avon Waterworks. (b) Borough Surveyor, Burford House, Church Walk, Rugby. (c) 2gn. (e) April 11.

RUSHDEN U.C. (a) Erection of 38 houses at Grafton Road site. (b) Engineer and Surveyor, Council House. (c) April 4.

ST. HELENS B.C. (a) Erection of a block of six police flats at Sutton Manor, in traditional construction. (b) M. Ward, Borough Engineer, Town Hall. (c) 2gn. (e) April 12.

SCARBOROUGH B.C. (a) Erection of 48 one-bedroom flats at Manham Hill, Eastfield. (b) Borough and Water Engineer, Town Hall. (c) 2gn. (e) April 11.

SHEPTON MALLET R.C. (a) Old people's housing scheme at Evercreech, including 16 bungalow type dwellings, Warden's house, common room, with roads and sewerage. (b) Architect, 6 North Parade, Frome.

SIDMOUTH U.C. (a) Erection of 24 flats in two three-storey blocks at Lyme-bourne Park. (b) Clerk of the Council, Council Offices. (c) 3gn. (d) April 2.

SOUTHWELL U.C. (a) Erection of four pairs of bungalows off Abbey Road, Edwinstowe. (b) Architect and Surveyor, 7 Westgate, Southwell, Notts. (c) 2gn. (e) April 11.

SUNDERLAND B.C. (a) Erection of the Sunderland Technical College, South Johnson Street site, comprising a six-storey main block with three-storey link unit, a three-storey east block, single-storey heavy laboratory block, a two-storey lecture theatre and single-storey radio-active techniques block, together with external works. (b) Borough Architect, Grange House, Stockton Road. (c) 2gn. (e) April 12.

WARWICK B.C. (a) Erection of 19 three-bedroom two-storey units; 12 one-storey bed-sitting room units; five one-storey one-bedroom units; laundry block, access road and nine brick garages. (b) Hector Seton Brown, Borough Engineer, 23 Jury Street.

WORCESTER C.C. (a) Erection of one pair of houses, type W.6, and two blocks of four two-storey flats, type W.10, on redevelopment site in St. Catherine's Vale. (b) City Engineer and Surveyor, 22 Bridge Street. (c) 3gn. (e) April 19.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

ATHERSTONE R.C. (1) Erection of 144 houses in three contracts. (2) Atherstone North site. (3) E. Rooms & Sons, Coppece Corner, Watling Street, Dordon. Abraham Purshouse Ltd., Rookery Street, Wednesfield, Staffs. C. W. & A. L. Hughes Ltd., 341 Humberside Road, Leicester. (4) £36,338, £28,093 and £141,781, respectively.

BATH C.C. (1) Erection of 122 dwellings. (2) Twerton-Whiteway estate. (3) E. Mortimer & Son Ltd., 9 Trafalgar Road, Bath. (4) £196,199.

BEDFORD B.C. (1) Erection of 53 houses and 23 garages. (2) Brickhill. (1) 55 houses and 45 garages. (2) Brickhill. (3) Wm. J. Bushby Ltd., 30 High Street, Kempston, Beds (both contracts). (4) £91,717 and £98,875.

BERKSHIRE C.C. (1) Erection of an infants' school. (2) Wokingham. (3) J. M. Jones & Sons Ltd., Maidenhead. (4) £44,441.

BIRMINGHAM. (1) Erection of an office block for Wilmot Breedon Ltd. (2) South Yardley. (3) Wilson Lovatt & Sons Ltd., Clarence Street, Wolverhampton. (4) £71,000.

BROMLEY B.C. (1) Erection of 27 flats, etc. (2) Turpington Lane. (3) Speirs Ltd., 88 Upper Richmond Road, London, S.W.15. (4) £50,728.

CAERNARVON B.C. (1) Erection of an abattoir. (3) W. E. & T. A. Thomas Ltd., Tynnewydd, Waenawr, Caernarvonshire. (4) £45,500.

CAMBRIDGE. (1) Erection of residential buildings for the trustees of Churchill College. (2) Storey Way. (3) Bernard Sunley & Sons Ltd., 25 Berkeley Square, London, W.1. (4) £100,000.

CARDIFF C.C. (1) Erection of five blocks of five-storey flats and maisonnettes. (2) Braunton Crescent, Llanrumney. (3) Geo. Wimpey & Co. Ltd., Newport Road, Cardiff. (4) £97,625.

COLCHESTER B.C. (1) Erection of 59 houses and 16 flats. (2) Greenstead estate. (3) Direct labour. (4) £99,398.

COVENTRY C.C. (1) Erection of a ten-storey block of maisonnettes and flats. (2) Thomas Street. (3) George Wimpey & Co. Ltd., Hammersmith Grove, London, W.6. (4) £119,801.

COVENTRY C.C. (1) Erection of a ten-storey block of 52 dwellings. (2) Yardley Street. (3) George Wimpey & Co. Ltd. (4) £116,543.

DEWSBURY. (1) Erection of St. Paulinus R.C. school. (2) For the Managers. (3) C. Earnshaw (Rotherham) Ltd., 35 Gilberthorpe Street, Rotherham. (4) £51,600.

DURHAM C.C. (1) Additions and alterations to Girls' Grammar School. (2) Durham. (3) D. & J. Ranken Ltd., Stockton Road, Sunderland. (4) £118,141.

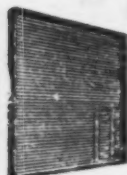
DURHAM C.C. (1) Erection of a school. (2) High Usworth. (3) Gordon Durham & Co., Moor Lane, Boldon, Co. Durham. (4) £95,775.

EASTHAMPTON R.C. (1) Erection of 40 flats. (2) Easthamptstead, Berks. (3) Gregory Housing Ltd., 21 Farncombe Road, Worthing.

ENFIELD B.C. (1) Alterations and extensions to central library. (2) Cecil Road. (3) Townsend & Collins Ltd., Goat Lane, Enfield. (4) £25,697.

GAINSBOROUGH. (1) Extensions to the factory of Wolsey Ltd. (3) Turriff Construction Corporation Ltd., Budbrook Road, Warwick.

GELLINGER R.C. (GLAM). (1) Erection of 24 flats. (3) Gregory Housing Ltd., 21 Farncombe Road, Worthing.



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GLASTONBURY B.C. (1) Erection of 21 dwellings. (2) Windmill Hill. (3) J. M. Hillier & Son, 12 West Street, Wells, Somerset. (4) £38,806.

HACKNEY B.C. (1) Construction of foundations and reinforced concrete frame for main structure of Central Works Depot. (2) Reading Lane. (3) Modular Concrete Co. Ltd., Staines Road, Bedfont, Middlesex. (4) £68,544.

KENDAL B.C. (1) Erection of 56 dwellings. (2) Sandylands estate. (3) Unity Structures Ltd., 35 Tavistock Square, London, W.C.1. (4) £77,812.

LEEDS REGIONAL HOSPITAL BOARD. (1) Erection of the first phase of the new general hospital. (2) Huddersfield. (3) Tersons Ltd., 4 Dollis Park, London, N.3. (4) £1,800,000.

LEEK U.C. (1) Erection of 33 dwellings. (2) Belle Vue Road and Mill Street, respectively. (3) Gregory Housing Ltd., 21 Farncombe Road, Worthing. (4) £46,105 and £41,050.

LONDON C.C. (1) Erection of the first stage of primary school. (2) Lewisham Road, Greenwich. (3) Rice & Son Ltd., 15 Stockwell Road, London, S.W.9. (4) £53,773. (1) Improvements at secondary schools. (2) Addison, Hammersmith, W. (3) Sheppard & Short Ltd., 22 Stapenhill Road, North Wembley. (4) £22,187.

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LONDON S.E. (1) Erection of a block of offices for the Amalgamated Engineering Union. (2) Lyndhurst Way, Peckham. (3) Griggs & Son Ltd., 56 Victoria Street, London, S.W.1. (4) £115,845.

NEW ROMSEY B.C. (KENT). (1) Erection of 14 houses. (2) Langport Road. (3) William Ellis (Etchingham) Ltd., High Street, Etchingham. (4) £25,617.

NOTTINGHAM C.C. (1) Erection of 28 flats. (2) Clifton estate. (3) Progressive Builders Ltd., Lowater Street, Carlton Hill, Nottingham. (4) £43,600.

PAISLEY B.C. (1) Erection of two 15-storey blocks of flats. (2) Foxbar. (3) The Scottish Special Housing Association Ltd., 15 Palmerston Place, Edinburgh.

ROWLEY REGIS B.C. (1) Erection of 78 dwellings. (2) Various sites. (3) Selleck Nicholls & Co. Ltd., St. Austell, Cornwall. (4) £90,046.

SHEFFIELD REGIONAL HOSPITAL BOARD. (1) Reorganization and adaptation. (2) St. Oswald's Hospital, Ashbourne. (3) E. Wood & Sons Ltd., 70 Park Street, Derby. (4) £33,099. (1) Erection of a villa block. (2) Middlewood Hospital, Sheffield, and office extensions, Fulwood House. (3) W. Malhouse Ltd., Derbyshire Lane, Sheffield. (4) £56,962 and £23,038.

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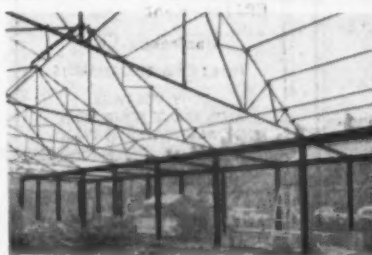
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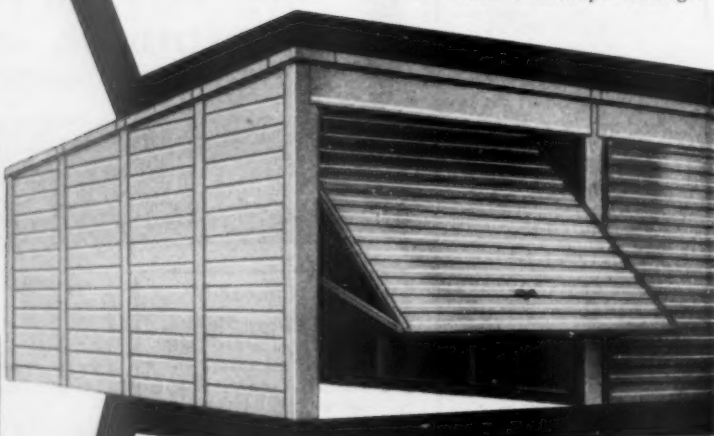
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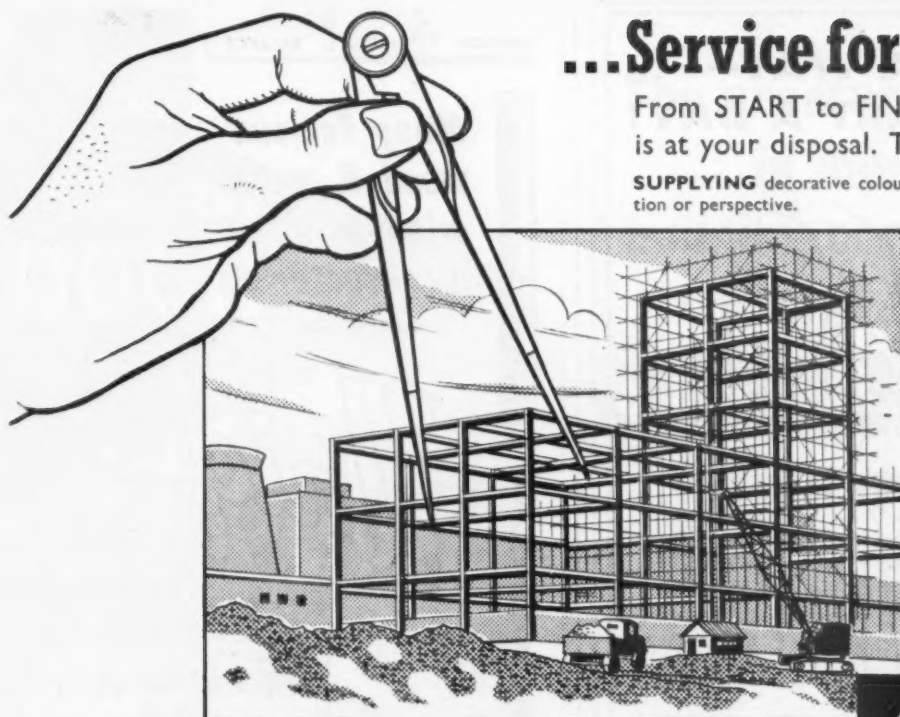
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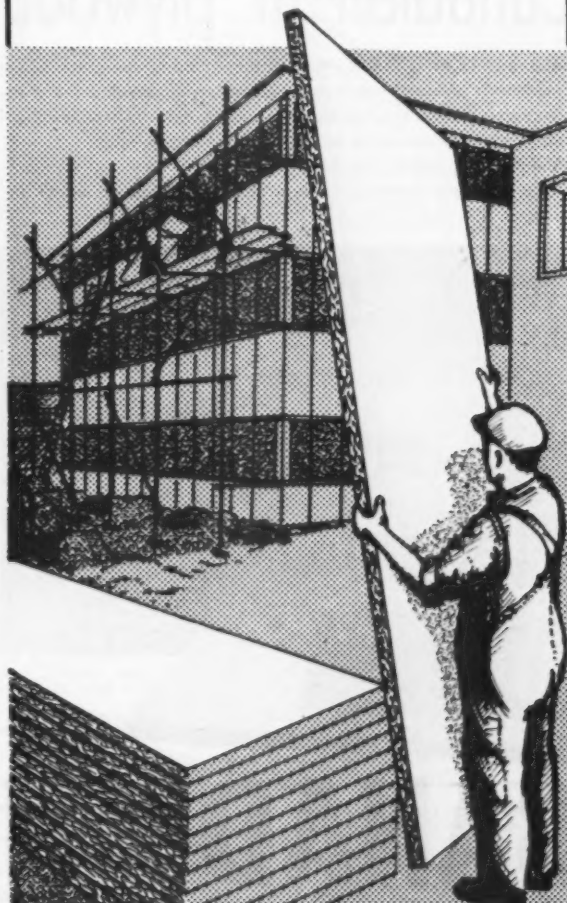
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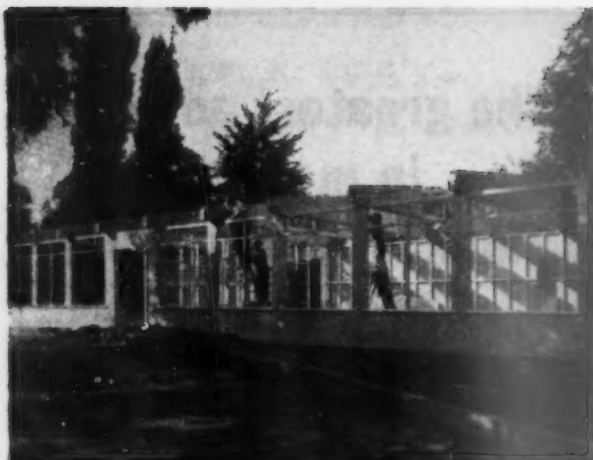
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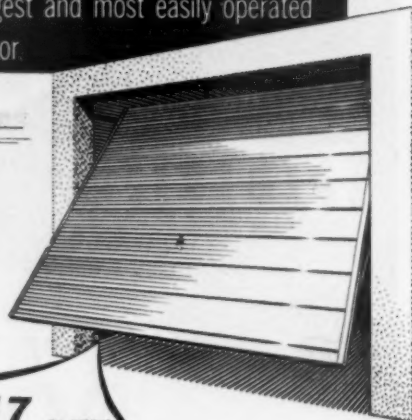
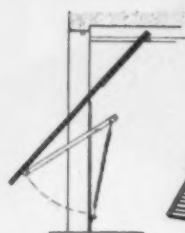
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The issue dated April 13 will close for Press first post on FRIDAY, April 8

APPOINTMENTS

East Riding of Yorkshire County Council

APPLICATIONS are invited for the appointment of Assistant Architects on the staff of the County Architect.

The salary will be in accordance with Grade APT IV of the N.J.C. Scales (£1,065/£1,220 per annum).

Applications giving particulars of qualifications, experience, age, past and present appointments with salaries, together with the names of three referees should be sent to the County Architect, County Hall, Beverley, not later than 10 a.m. on Tuesday, April 12, 1960.

Assistance towards removal, lodging and travelling expenses may be granted.

THOMAS STEPHENSON,

Clerk of the Council.
[6338]

City of Leeds

City Architect's Department

APPLICATIONS are invited for vacancies in the following grades:

1. Senior Assistant Architects, Grade APT V (£1,220/£1,375).

2. Senior Assistant Architects, Grade APT IV (£1,065/£1,220).

3. Assistant Architects, Grade APT III (£880/£1,065).

4. Assistant Architects, Grade APT II (£765/£880).

5. Architectural Assistants, Grade APT I (£610/£765).

Applicants for Posts Nos. 1 and 2 should be fully qualified and members of the R.I.B.A.

Applicants for Posts Nos. 3 and 4 should preferably have passed the Intermediate R.I.B.A. examination.

In addition to large annual programme for both housing, including multi-storey dwellings, and schools a number of interesting projects are likely to be carried out in the near future, e.g. public baths, abattoir and meat markets, fruit and vegetable markets, civic hall extensions, branch colleges and hostels.

The recently appointed City Architect, Mr. J. R. Sheridan-Shedden, Dip.Arch., F.R.I.B.A., will be taking up his appointment in the near future and, as groups of architects are being formed to deal with these projects, applicants will be considered on their capability for design, experience, contemporary outlook and suitability for inclusion in such groups.

The appointments are superannuable and the successful applicants will be required to pass a medical examination.

Application forms may be obtained from the Acting City Architect, Priestley House, Quarry Hill, Leeds, 9, to whom they must be returned not later than 12 noon on Friday, April 22, 1960.

Canvassing in any form, either directly or indirectly, will be a disqualification.

P. B. HASWELL,

Acting City Architect.

Priestley House,
Quarry Hill,
Leeds, 9.

[6321]

Borough of Castleford

APPOINTMENT OF ASSISTANT ARCHITECT

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Applicants should have passed the Intermediate R.I.B.A. Examination or its equivalent at one of the recognized schools of architecture.

The successful applicant will be required to pass satisfactorily a medical examination.

If required housing accommodation will be provided for the successful married applicant.

Applications, on forms obtainable from me, to be returned by April 9, 1960.

Canvassing disqualifies.

ERNEST HUTCHINSON,

Town Clerk.

Town Hall,
Castleford.

[6311]

APPOINTMENTS (cont)

County Borough of St. Helens

Borough Engineer's Department

APPLICATIONS are invited for the following appointments in the Architectural Section of the Department:

(a) Chief Architect, Scale C (£1,385/£1,620).

(b) Two Principal Assistant Architects, Grade APT V (£1,220/£1,375).

(c) Assistant Architect, Grade APT IV (£1,065/£1,220).

(d) Two Architectural Assistants, Grade APT II/III (£765/£1,065).

Applicants for appointment (a) should be Corporate Members of the R.I.B.A. with wide and varied experience in design and construction of public buildings, redevelopment schemes and large scale housing development.

Applicants for appointments (b) and (c) should be qualified Architects with good experience in general municipal development.

The Council operates a five-day working week. The appointment will be terminable by one month's notice and will be subject to the Local Government Superannuation Acts, medical examination and N.J.C. conditions of service.

Applications, stating age, qualifications, present and past appointments, and details of experience, giving names of two referees and clearly indicating the appointment applied for, must be forwarded to the undersigned not later than Tuesday, April 19, 1960.

Applicants must reveal relationship to any member or senior officer of the Council. Canvassing will disqualify.

M. WARD,

M.I.Mun.E., M.T.P.I., A.M.I.Struct.E.,
Borough Engineer.

Town Hall,
St. Helens.

[6340]

Bingley Urban District Council

ARCHITECTURAL ASSISTANT

APPLICATIONS are invited for the permanent position of:

Architectural Assistant

A.P.T. II (£765/£880 per annum)

Preference will be given to candidates who have reached the Intermediate standard of the Royal Institute of British Architects and who have had training and experience in housing design and development, and general architectural work.

The appointment will be terminable by one month's notice on either side, and will be subject to the provisions of the Local Government Superannuation Acts.

Applications, stating age, qualifications, training and experience, and details of past and present appointments, accompanied by copies of two recent testimonials, or the names and addresses of two referees, should be forwarded, endorsed "Architectural Assistant," to the undersigned, on or before Friday, April 8, 1960.

Housing accommodation will be made available, if required.

F. M. DUNWELL,

Clerk of the Council.

[6341]

SENIOR ASSISTANT ARCHITECT

required by

WATES LTD.

for housing and commercial work

Commencing salary up to £1,150/£1,200 per annum, according to qualifications. Scope for responsibility and progress. All appointments are permanent and superannuable. Five-day week, generous profit sharing bonus scheme, after short period.

Write in confidence, stating age, experience and present salary to Personnel Manager,
1258/60 London Road, Norbury, S.W.16.

[6323]

County Borough of East Ham

Borough Engineer's Department

APPLICATIONS are invited for the following temporary appointment:

Senior Assistant Architect, Grade IV, £1,065/£1,220.

London Weighing is paid in addition, and a salary in excess of the minimum may be paid according to qualifications and experience. The appointment is for work on a new technical college and is expected to be for a period of not less than three years.

Further details and application forms returnable by April 15, 1960, from the Town Clerk, Town Hall, East Ham, E.6.

[6330]

APPOINTMENTS (cont)

London County Council

ARCHITECTS

(up to £1,135) (under review)

REQUIRED for Housing, Schools, General and Special Works Divisions. Full and varied programme of new work including schools, multi-storey flats and town development. Starting salaries according to qualifications and experience.

Particulars and application form from Hubert Bennett, F.R.I.B.A., Architect to Council, (EK/ABN/496/3), County Hall, S.E.1. [6264]

County Borough of East Ham

ASSISTANT PLANNING OFFICER

Grade APT I (£610/£765)

VACANCY in Borough Engineer's Department. London Weighing paid in addition. Salary above minimum paid according to qualifications and experience.

A subsistence allowance may be paid over a reasonable period to person appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Details and application form from the Town Clerk, E.6.

Closing date April 8, 1960.

[6320]

"WIDER HORIZONS"

A YOUNG Trainee Draughtsman or Surveyor who wishes to increase his interests and experience is urgently needed by an international organization manufacturing building materials.

In addition to the preparation of layout drawings and taking off of quantities, the successful applicant will be trained in export procedure and ultimately as a representative. This unique opportunity is open to an ambitious young man between the ages of 22 and 30, who is well educated, physically fit and resident in or near London. All applications will be acknowledged. Write Box No. 3281, c/o Charles Barker & Sons Limited, Gateway House, London, E.C.4. [6342]

City Architect's Office, Manchester

APPLICATIONS are invited for appointment of Assistant Architect/Architectural Assistant. Salary Special Scale £785/£1,070 (commencing salary will be fixed according to qualifications and experience). Five-day week. Removal expenses allowed. Housing accommodation for a limited period may be provided. Forms of application from City Architect, P.O. Box 488, Town Hall, returnable by April 13, 1960. [6343]

City of Sheffield Education Committee

College of Technology

Department of Building

APPLICATIONS are invited for the following posts, which arise mainly from the development of full-time and sandwich courses:

(a) Lecturer to teach Building Construction, Quantities, Contracts and Specifications in the sandwich and part-time courses in Civil and Structural Engineering, and to assist in the teaching of Theory of Structures.

(b) Lecturer to teach Administration and Management in the sandwich and part-time courses in Building and Civil Engineering, and to assist in the teaching of Civil Engineering subjects.

Candidates for the above posts should be members of an appropriate professional body and have had suitable industrial and teaching experience.

(c) Assistant (Grade B) to teach General Building subjects and Mathematics in the Building and Quantity Surveying courses. Candidates should possess appropriate qualifications and have had suitable industrial and teaching experience.

Salary scales: Lecturer (£1,370 x £35—£1,550 per annum).

Assistant (Grade B) (£700 x £27 10s—£1,150 per annum), with appropriate additions for degree and training.

Forms of application, obtainable from the undersigned (s.a.e.) at P.O. Box 67, Sheffield, 1, should be returned within 14 days of the appearance of this advertisement.

T. H. TUNN,

Director of Education.

[6344]

Classified Advertisements
continued overleaf

MISCELLANEOUS SECTION

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ARCHITECTURAL APPOINTMENTS VACANT

ARCHITECTS AND ASSISTANTS wanted for long- and short-term contracts in London. Highest remuneration and expenses. Send brief particulars in strict confidence. Box 8189. [6333]

ARCHITECTURAL ASSISTANTS required, salaries according to experience. W. Leslie Jones & Partners, 241a High Street, Poole, Dorset. [6327]

ARCHITECTURAL ASSISTANTS required, salaries £450/£1,000. W. Leslie Jones & Partners, 8 Acresfield, Bolton, Lancs. [6328]

ARCHITECTURAL ASSISTANT. Intermediate standard, required busy country practice. Interesting and varied work. Salary according to experience. Apply D. H. Brown, Stone Street, Cranbrook, Kent. Phone: Cranbrook 3246. [6334]

ARCHITECTURAL ASSISTANT Office Manager required in West End office of architect to multiple firm, number of architectural staff 10/12. Architectural qualification not essential but must be first-class draughtsman and have experience of office management and administration of contracts. Good salary for right man. Luncheon vouchers and pension scheme available. Apply Box 8215. [6345]

ASSISTANT ARCHITECTS of Intermediate or Final standard for Liverpool and Coventry offices for work on interesting large and small scale industrial, commercial and educational projects. Five-day week, car expenses, bonus and pension schemes. Apply giving all details and salary required to Heilberg & Harris, 13 Queen Victoria Road, Coventry. [6318]

ARCHITECTURAL ASSISTANT. Intermediate standard. Busy London office. Good prospects. Box 3668. [0080]

ARCHITECTURAL ASSISTANT required, with at least two years' office experience. Apply in writing to Thomas Mitchell & Partners, 20 Bedford Square, London, W.C.1. [0916]

ARCHITECTURAL ASSISTANT. London, Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667. [0079]

ARCHITECTURAL ASSISTANTS required, intermediate standard, busy London and Reading offices. Good prospects. Apply Eric G. V. Hives & Sons, 46 Queen's Road, Reading. (Telephone 55484/5.) [6269]

ARCHITECTURAL APPOINTMENTS VACANT (cont)

ARCHITECTURAL ASSISTANTS. Senior and Junior, required by firm in High Wycombe for commercial and industrial schemes. Scope for responsibility and experience. Five-day week. Write Box 7936. [0690]

ARCHITECT requires Chief or Senior Assistant, also Junior Assistant for interesting work including shops, offices and schools. Apply in writing stating age, experience and salary required to Roff Marsh, F.R.I.B.A., M.T.P.I., 125/7 London Road, Chelmsford. [6271]

ASSISTANT required in Architect's Office, Baker Street area. Interesting and varied work. Salary up to £900 depending on ability.—Write to Box 8039. [6302]

BASIL SPENCE AND PARTNERS require qualified and experienced Architects to fill positions of responsibility on a major building programme. Write to 48 Queen Anne Street, W.1, stating experience and salary required. [6228]

BRITISH OVERSEAS AIRWAYS CORPORATION invite application for posts of Assistant Staff Architects. Applicants should preferably be single and available for world travel with the ability to assume responsibility and act on their own initiative.

Qualifications: First-class designers with knowledge of shop-fitting work and competency in rapid sketch planning and estimating plus the ability to control medium sized projects throughout. Industrial experience will be an advantage with an aptitude for dealing speedily with contracts involving alterations to, and maintenance of, existing property.

Salary range: £940 per annum to £1,120 per annum.

Attractive pension, staff insurance and leave facilities.

Write, giving full details of experience and qualifications to: Recruitment Manager, B.O.A.C., London Airport, Hounslow, Middlesex. [6324]

COUNTRY practice with varied work including new public houses, church and parsonage restorations, restoration of historic houses, country house alterations, public school work, private estates, shops and small industrial jobs. Assistant required of R.I.B.A. Intermediate to Final standard, interested in accepting full responsibility from sketch plan stage to final accounts, including correspondence and site supervision. Please write giving age and experience to Forsyth Lawson, Cunningham & Partners, Chartered Architects, 30 Horse Fair, Banbury, Oxon. [6336]

ARCHITECTURAL APPOINTMENTS VACANT (cont)

DEVEREUX & DAVIES require capable and enthusiastic Architectural Assistants; salary £750 per annum or according to experience and ability. Devereux & Davies, 3 Gower Street, Bedford Square, London, W.C.1. [0840]

DEVEREUX & DAVIES require capable and enthusiastic assistant architects salary £1,000 per annum or according to experience and ability.—Devereux & Davies, 3 Gower Street, Bedford Square, London, W.C.1. [0660]

ELIE MAYORCAS requires Senior Assistants with minimum of three years' office experience in this country. Write, giving particulars of architectural education and experience, and salary required, to: 13 David Mews, Baker Street, W.1. [0360]

HOSPITAL. Architectural Assistant up to Final standard, interested in hospitals, required by Frederick Gibberd's London office. Write, giving experience and salary to 8 Percy Street, London, W.1. [6322]

H. S. W. STONE & PARTNERS, F.F.A.I.B.A., 20 The Crescent, Taunton, Somerset, require Assistant for busy general practice. Previous experience in architect's office essential. Salary according to ability and experience. [6319]

LARGE-SCALE development in London and industrial buildings in Home Counties. High office blocks and residential flats. Four Assistant Architects required. Senior and Intermediate standard. West End office. Five-day week. Good salaries and bonuses. Box 7076. [0380]

LLEWELLYN SMITH & WATERS require experienced assistants to work on an interesting and varied programme of large and small projects. Salary according to ability in the range of £800/£1,200 in return for a sound knowledge of construction and an interest in good draughtsmanship, L.V., pension scheme. Please apply, with details of previous experience to 103 Old Brompton Road, S.W.7. Also vacancy in Worcester office for experienced assistants of R.I.B.A. Inter standard.—Apply to 33 Foregate Street, Worcester. [6300]

MANNING AND CLAMP require Assistants of Intermediate and Final standard for their Richmond Green and London offices, mainly for multi-storey housing and industrial work. Salary range £750/£1,000. Apply in writing to 19 The Green, Richmond. [6337]

PATRICK GWYNNE requires an Assistant to work personally with him on private houses and interior design. Must be thoroughly experienced and capable of first-class detail drawing. The Homewood, Esher, Surrey. Tel. Esher 3310. [6233]

CONSTRUCTION VACANCIES

We are continuing to expand our building development programme throughout the British Isles. Opportunities exist for suitably qualified personnel to join our progressive construction team.

Our projects are varied and on a large scale, giving ample scope for initiative and responsibility.

Applications are invited for the following positions:

ASSISTANT ARCHITECT

Preferably A.R.I.B.A.

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ELECTRICAL ENGINEERING ASSISTANTS

A.M.I.E.E. or H.N.C. level.

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Generous salaries will be paid. Staff Life Assurance and Pension scheme. Five-day week.

Applications in writing to:

Employment Manager (Ref.: CV/36/ABN),
Littlewoods Mail Order Stores Ltd.,
Spinney House, Church Street, LIVERPOOL, X.

SIR ALFRED McALPINE & SON LIMITED

ARCHITECTURAL STAFF

Vacancies for Intermediate and qualified Architectural Assistants and experienced Architectural Draughtsmen.

Varied commercial and industrial works.

Salary according to experience. Hours 9 a.m. to 5.30 p.m. and 9 a.m. to 12 noon alternate Saturdays.

Staff Canteen.

Apply by post to:

F. H. Marvan, A.R.I.B.A.,
Sir Alfred McAlpine & Son Ltd.,
Hooton, Little Sutton, Wirral,
Cheshire.

ARCHITECTURAL APPOINTMENTS VACANT (cont)

ROBERT POTTER & RICHARD HARE, F.A.R.I.B.A., urgently require qualified Assistant Architect to work on civic and university projects. Write, stating experience and salary required, to De Vaux House, Salisbury, Wilts. [6299]

SENIOR ASSISTANT ARCHITECTS, to take control of industrial, commercial and educational projects from design stage to completion. First-class design ability and experience necessary. Five-day week, car expenses, bonus and pension schemes. Apply giving all details and salary required to Helberg & Harris, F.R.I.B.A., 13 Queen Victoria Road, Coventry. [6317]

SENIOR ASSISTANT required to work on a variety of large and interesting projects. Modern approach essential, with an ability to take complete charge of jobs from planning stage to completion. Salary £900/£1,000 p.a. Apply to R. Mountford Pigott & Partners, 3 Cromwell Place, S.W.7. KENSINGTON 1242. [0730]

STEEL, PEECH & TOZER, branch of the United Steel Cos. Ltd., have vacancies for Architectural Assistants with at least five years' practical experience. Variable type of work including office blocks, amenity centres and service buildings. Industrial experience would be an advantage, but is not essential. Good working conditions, 38-hour week, and excellent superannuation scheme. Salary according to experience and qualifications. Applications should be made in writing to The Labour Manager, Steel, Peech & Tozer, The Ickles, Rotherham. [6326]

TWO vacancies occur for experienced Assistants. Salaries about £1,000 p.a. Five-day week. Multi-storey flats and offices; factories; shops, etc. High standard of design. Scope for men of ability. W.I. office. Apply Box 8175. [6325]

ARCHITECTURAL APPOINTMENTS VACANT (cont)

WEST END ARCHITECTS require qualified experienced assistant for interesting commercial developments in London and Provinces. Genuine prospects for advancement to applicant with ability and initiative, commencing salary £1,100 per annum. Telephone Langham 9251, or write giving particulars of experience to Newman, Levinson & Partners, 9 Mansfield Street, London, W.1. [6295]

£800 to £1,200 Assistants with ability required for colleges, hostels, schools, etc. Write: Charles Pike, 14 Lincoln's Inn Fields, W.C.2, or phone: HOL 3532 for appointment. [6315]

SITUATIONS VACANT

EXPANDING, virile organization require immediately experienced Representatives (salary/commission or commission only). Patented product widely acclaimed by architects and building industry. Only smart salesmen having live architect/contractor/shopping connections considered. Excellent opportunity for "go-getters." Confidential applications for interview to Sales Manager, Planiflex Ltd., 49 South Audley Street, London, W.1. [6329]

WEST END firm of chartered surveyors have a vacancy on their staff for a retired gentleman, able to assist in supervision of building work and repairs, principally in connection with property maintenance.

A retired Clerk of Works, or somebody with similar experience, would be suitable. Please write to Box 8191 stating age, and previous experience. [6335]

SITUATIONS VACANT (cont)

EXPERIENCED Builders' General Foreman required. Apply G. E. Sargeantson & Son Ltd., 12 Kingsway, Scunthorpe, state age, experience and salary required, also three references will be needed. [6190]

GEORGE BARLOW & SONS LIMITED, Sheffield, 2

SHOPFITTING Designer/Draftsmen required for leading firm of Sheffield shopfitters. Must be experienced, possess modern ideas and be capable of interviewing clients. Ample opportunity for progress in expanding firm. Salary in accordance with ability.

Write full particulars to George Barlow & Sons Limited, Keeton's Hill, Sheffield, 2. [6339]

SITUATIONS WANTED

Advertisements under this heading only are accepted at the specially reduced rate of 6d per line, minimum 1/6.

PART-TIME services offered by Architect (A.R.I.B.A.) with small practice in Surrey. Over 20 years varied experience including housing, flats, schools, hospitals, banks, pubs and farm works. Box 8219. [6346]

WORK WANTED**DUE TO EXPANSION PROGRAMME**

we are seeking

NEW CLIENTS

in

LUTON, HITCHIN, BEDFORD, CAMBRIDGE, STEVENAGE, LONDON areas

Please contact:

DEXTER & SON

Plastering Contractors
80 Hillcrest, Bedwell North
Stevenage, Herts

[6331]

EXCAVATION sub-contracts, site development, overburden removal, clay getting, earth dam construction, etc. Technical staff available to analyse, programme and price complex projects. Particular attention given to finish and compaction. D.9, D.8, TD.18 and TD.14 scrapers, excavators, loading shovels and lorries available with competent and imaginative supervision for execution of work. Also interested in overseas projects calling for not exceeding 10,000yd per week output. Dick Hampton, Blacknest, Alton, Hants. Tel.: Bentley 2241. [6334]

G. BARTER & CO., Industrial Decorative Spray and Brush Painters (labour only on contract). We supply equipment, 1a Whitton Way, Hounslow, Middlesex. HOUNSLOW 9615. SOUTHALL 3815. [0083]

SERVICES OFFERED

Q.S. offers services preparing Quantities for R.C. structures—site measurements—final accounts. London, S.W. and W. Midlands, Box 7804. [6246]

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WALLACE LIERMAN Hypochlorinator reagent feeder plants, suitable treatment water supply, swimming pool or chemical injection to 125 p.s.i. Precontrolled hydraulic actuation via 1in trident water meters. Two twin-type AHWM units, approx. half list price at £90 each. Hay, Rock Mount, Frodsham, Warrington. [6332]

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BRITISH RAILWAYS**LONDON MIDLAND
REGION
EUSTON****ASSISTANT ARCHITECTS
REQUIRED**

Applicants are required for work on the comprehensive re-development of major stations. The developments will include offices, hotels, multi-storey car parks, shopping centres and many ancillary facilities of an industrial nature.

Wide scope will be given to imaginative designers of experience who are prepared to work at high pressure. In the senior positions it is essential that applicants should have experience of the control and direction of staff. All applicants must be qualified members of the R.I.B.A. and should preferably also hold the Diploma of a recognised School of Architecture.

Vacancies exist for—**Sectional Architects—Salary range**

£1,475/1,695 per annum

Senior Assistant Architects—Salary range

£1,200/1,420 per annum

Leading Assistant Architects—Salary range

£1,095/1,200 per annum

Vacancies also exist within the salary range £875 to £1,034 and applicants for these posts, who will be required for general work, should be either qualified or have intermediate and several years' experience. Five-day week and concessionary rail travel.

Applications in writing quoting reference No. 100 (ABN) and stating qualifications, age, experience and salary required to:—

**W. R. HEADLEY, A.R.I.B.A., A.A.Dipl.,
REGIONAL ARCHITECT**

Chief Civil Engineer's Office, British Railways, London Midland Region,
5a Euston Grove, London, N.W.1.

SHOPFRONTS

CONSULT Burns Shopfitters for your Budget-priced Shopfronts. 8 Essex Place, London, W.4. CH1 1852/7601. [0680

PRODUCTION ENGINEERING: Practical Methods of Production Planning and Control. By J. S. Murphy, A.I.I.A. This special book deals with factory organization, each separate item or function being discussed in the order in which it arises in practice. The book provides experienced production engineers with an opportunity to compare different methods. Price 12s 6d net, from all booksellers. By post 13s 5d from The Publishing Department, Dorset House, Stamford Street, London, S.E.1.

STEEL AND WOVEN TAPES
REPAIRED at moderate cost with prompt dispatch. Send a broken tape for trial. Large stocks of new Chesterman Steel and Woven Tapes in all patterns and lengths. Quotations per return. Quantity discounts.—A. W. Phillips & Son (Upton Park) Ltd., 47-51 Plashet Grove, London, E.6.
 1667

MATERIAL HANDLING IN WORKS STORES: The Fork-Lift Truck and Pallet System, Second edition. By L. J. Hoefkens. Shows how the use of fork-lift trucks and pallets in industrial stores can increase production, utilize floor space more effectively, help control of movement and reduce costs. Includes a description of a system actually operated in a modern factory, 18s net, from all booksellers. By post 19s 0d from The Publishing Department, Dorset House, Stamford Street, London, S.E.1.

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**HAVE YOU FILLED IN YOUR
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TUCK IN THIS END



Architect:
Alex. F. Watson, Esq., A.R.I.B.A.

$\frac{10}{10}$ for CERRUX

Inside and out the Bexhill-on-Sea Roman Catholic School for Girls is Cerrux-protected to withstand the hard wear and tear of school life. More and more schools, factories and offices are giving full marks to Cerrux for good looks and long service.

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Cerrux Decorating Paints manufactured by CELLON LTD., KINGSTON-ON-THAMES. Tel.: Kingston 1234

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WHY FLAMINGO FOR FACTORY ROOFS...



Post Office Storage Depot, Ashford, Middlesex—Conversion by Ministry of Works, Maintenance Branch.
Architect: F. G. K. Watkinson, A.R.I.B.A. Specialist sub-contractor: Eastwoods Ltd.

Because it's cheaper? Yes, economy is, of course, one reason, but even more important:

1. **Flamingo stays up for good.** No need for annoying, frequent replacements. Flamingo non-inflammable "Green Label" quality is **waterproof**, with a very high water vapour resistance factor.
2. **Amazing insulating value**—you can actually *feel* the warmth of Flamingo insulation boards.
3. **Modern bright** (electricity-saving) appearance.
4. **Fast and easy fixing.** No need to interrupt production while mounting Flamingo insulation. Boards can be painted in colour with emulsion paint before fixing.
5. **Light-weight.** No need for extra pillars or other supports. Even the oldest factory roof can carry a material consisting of 98% air.
6. **Lower noise level** due to Flamingo's sound-absorbing properties.

Price example: With the new Grecon T-system for fixing, an average factory roof can normally be insulated at 15/- per sq. yd., labour, $\frac{3}{4}$ " Flamingo and all materials included. Fuel saving: 50 per cent. yearly return on the insulation investment is normal; in some instances factory owners have had their investment returned twice yearly.

Write for a sample and let us tell you about how to insulate and improve the appearance of factory roofs.

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